WEST CHESTER STATE COLLEGE BULLETIN

Undergraduate Studies 1972-1974

Undergraduate Academic Calendar

FALL 1972	
Last day to qualify for Fall admission	June 30, Fri.
Faculty Meetings	Sept. 5, Tues.
Classes begin	Sept. 6, Wed.
Make-up Day for Sept. 5 classes	Sept. 9, Sat.
Make-up Day for Dec. 15 classes	Sept. 16, Sat.
Thanksgiving Recess begins	Nov. 22, Wed. as classes end
Thanksgiving Recess ends	Nov. 27, Mon. 8 a.m.
Last day to qualify for Spring admission	Dec. 1, Fri.
Classes end	Dec. 14, Thurs.
Final Exams begin	Dec. 15, Fri.
Final Exams and Fall Semester end	Dec. 22, Fri.

FALL 1973 (TENTATIVE)	
Last day to qualify for Fall admission	July 2, Mon.
Faculty Meetings	Sept. 4, Tues.
Classes begin	Sept. 5, Wed.
Make-up Day for Sept. 4 classes	Sept. 8, Sat.
Make-up Day for Dec. 14 classes	Sept. 15, Sat.
Thanksgiving Recess begins	Nov. 21, Wed. as classes end
Thanksgiving Recess ends	Nov. 26, Mon. 8 a.m.
Last day to qualify for Spring admission	Dec. 3, Mon.
Classes end	Dec. 13, Thurs.
Final Exams begin	Dec. 14, Fri.
Final Exams and Fall Semester end	Dec. 21, Fri.

SPRING 1973	
Classes begin	Jan. 15, Mon.
Spring Recess begins	Apr. 13, Fri. as classes end
Spring Recess ends	April 24, Tues. 8 a.m.
Classes end	May 10, Thurs.
Final Exams begin	May 11, Fri.
Final Exams and Spring Semester end	May 18, Fri.
Alumni Day	May 19, Sat.
Commencement	May 20, Sun.

SPRING 1974 (TENTATIVE)	
Classes begin	Jan. 14, Mon.
Spring Recess begins	Apr. 5, Fri. as classes end
Spring Recess ends	Apr. 16, Tues. 8 a.m.
Classes end	May 9, Thurs.
Final Exams begin	May 10, Fri.
Final Exams and Spring Semester end	May 17, Fri.
Alumni Day	May 18, Sat.
Commencement	May 19, Sun.

SUMMER SESSIONS 1973	
Pre Session	June 4—June 22
Regular Session	June 25—Aug. 3
Post Session	Aug. 6—Aug. 24

SUMMER SESSIONS 1974 (TENTATIVE)	
Pre Session	June 3—June 21
Regular Session	June 24—Aug. 2
Post Session	Aug. 5—Aug. 23

The College reserves the right to change the Academic Calendar if deemed necessary.

Scheduling dates for enrolled students for Fall and Spring Semesters will be announced in College publications and on College bulletin boards.

WEST CHESTER STATE COLLEGE BULLETIN

1972 1974

UNDERGRADUATE STUDIES

VOLUME 100/NUMBER 3/SEPTEMBER 1972
WEST CHESTER, PENNSYLVANIA 19380

West Chester State College is accredited by The Middle States Association of Colleges and Secondary Schools, The National Council for Accreditation of Teacher Education, The American Association for Health, Physical Education, and Recreation, The National Association of Schools of Music, The Council on Social Work Education, and The American Chemical Society.

The provisions of this Bulletin are not to be regarded as an irrevocable contract between the student and the College. West Chester State College reserves the right to change any provisions or requirements at any time within the student's term of residence.

Issued four times a year, April, June, September, and November, by the Trustees of West Chester State College at West Chester, Pennsylvania. Entered as second class matter March 3, 1931, at the Post Office at West Chester, Pennsylvania, under the Act of Congress of August 24, 1912. Second Class Postage paid at West Chester, Pa. 19380.

Contents

Inside Front Cover	ACADEMIC CALENDAR 1972-1974
iv	BOARDS
1	INTRODUCING WEST CHESTER
11	ADMISSION TO WEST CHESTER
15	FEES AND EXPENSES
21	FINANCIAL AID
25	STUDENT SERVICES
29	STUDENT LIFE
37	ACADEMIC INFORMATION
43	PROGRAMS OF STUDY
47	SCHOOL OF ARTS AND LETTERS
73	SCHOOL OF EDUCATION
85	SCHOOL OF HEALTH AND PHYSICAL EDUCATION
95	SCHOOL OF MUSIC
107	SCHOOL OF SCIENCES AND MATHEMATICS
125	SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES
145	INTERDISCIPLINARY PROGRAMS
147	ADMINISTRATION
151	FACULTY
171	ALUMNI ASSOCIATION OFFICERS
172	INDEX
174	CAMPUS MAP
Inside Back Cover	COMMUNICATIONS DIRECTORY

COMMONWEALTH OF PENNSYLVANIA

MILTON J. SHAPP, GOVERNOR

COUNCIL OF HIGHER EDUCATION

MRS. MARJORIE E. DUCKREY	*Philadelphia*
W. DEMING LEWIS	*Bethlehem*
WILLIAM H. REA, *Chairman*	*Pittsburgh*
GAIL L. ROSE	*Butler*
WILLIAM K. ULERICH	*Clearfield*
JOHN L. WANDRISCO	*Latrobe*
LEONARD N. WOLF	*Scranton*

BOARD OF STATE COLLEGE AND UNIVERSITY DIRECTORS

MRS. PATRICIA M. COGHLAN
EDWARD L. DARDANELL
RONALD R. DAVENPORT
ANDREW N. FARNESE
JOHN P. GARNEAU
MISS REBECCA F. GROSS
L. ROBERT KIMBALL
MRS. CARYL M. KLINE
P. D. MITCHELL
IRVING O. MURPHY
BERNARD F. SCHERER
ARTHUR B. SINKLER, *Chairman*
JOHN B. VELTRI
JAMES M. WALLACE

DEPARTMENT OF EDUCATION

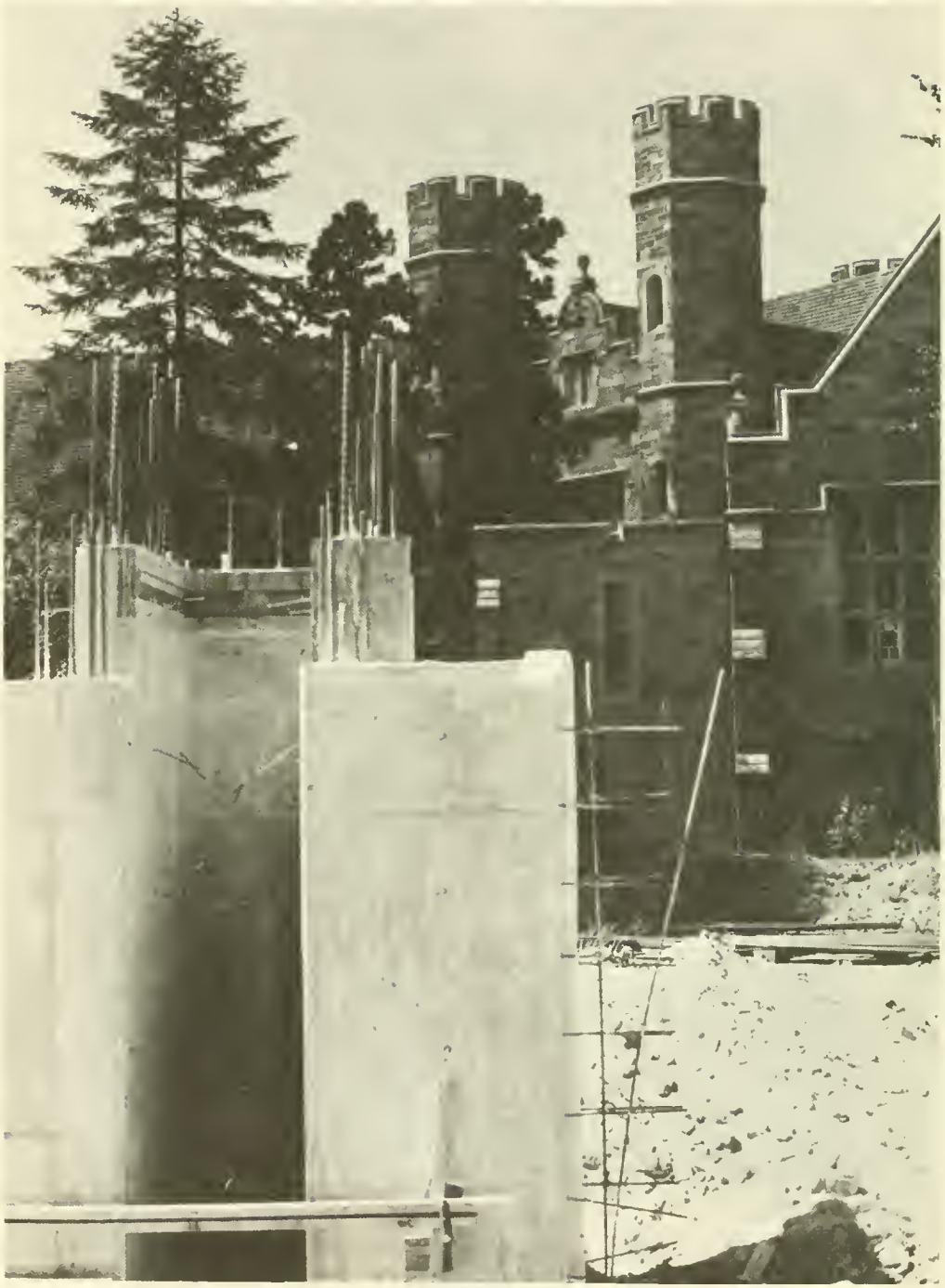
JOHN C. PITTENGER	*Secretary of Education*
WARREN E. RINGLER	*Acting Commissioner for Higher Education*

WEST CHESTER STATE COLLEGE BOARD OF TRUSTEES

F. OLIVER BURCKHALTER	*Wallingford*
CLIFFORD E. DEBAPTISTE, *Vice Chairman*	*West Chester*
MRS. THOMAS P. HARNEY, *Secretary*	*West Chester*
EDWARD O. HILBUSH, JR.	*West Chester*
D. BERNARD KIRSCHNER	*Warminster*
JOSEPH SALTZMAN, *Chairman*	*Marcus Hook*
ANTHONY L. STANCATO	*West Chester*
MARION C. STAVES	*Kennett Square*
CHARLES E. SWOPE	*West Chester*

WEST CHESTER STATE COLLEGE

Paul W. Rossey, *President*
Albert E. Filano, *Vice President for Academic Affairs*



The first outlines of New Main, seen against the southern side of Philips Memorial Hall. When completed, New Main will serve primarily as a classroom building for the Humanities.

Introducing West Chester

West Chester State College is one of the fourteen institutions of higher learning owned and maintained by the Commonwealth of Pennsylvania. Now entering its second century, West Chester is a comprehensive college whose primary purposes are to prepare teachers for Pennsylvania's public schools and to provide a liberal arts education for the youth and other citizens of the Commonwealth. Certain programs prepare students for specialized professions. The enrollment includes nearly 6,000 full-time undergraduates, about 900 part-time undergraduates, and some 1,600 graduate students (mainly part-time).

The College offers the Bachelor of Arts, Bachelor of Science, Bachelor of Music, Master of Arts, Master of Science, and Master of Education degrees.

The B.S. in Education degree is given in four basic curricula—elementary, secondary, music education, and health and physical education—and in one area (speech pathology and audiology) of special education. The College also has a program of courses designed to meet certification requirements in safety education, in the special education fields which train for the teaching of mentally retarded and physically handicapped children, and in environmental (outdoor) education.

West Chester also maintains an extensive program for teachers in service, composed of late-afternoon, evening, and Saturday-morning courses, for those desiring to satisfy various professional needs including certification requirements. (See also Graduate Studies at end of this chapter.)

Inaugurated in 1962, the liberal arts program now leads to the Bachelor of Arts degree in arts and letters, social and behavioral sciences, sciences, mathematics, and music; to the Bachelor of Music; and to the Bachelor of Science in Chemistry, in Business Administration—which may be pursued either as a day or an evening program—and in Nursing.

For a chart of all undergraduate curricula offered at West Chester, see Page 43.

WEST CHESTER'S HISTORY

The present College traces its history back to the West Chester Academy, founded in 1812. Since then, an educational institution bearing the name of West Chester, and figuring importantly in the history of teacher education in Pennsylvania, has been in existence.

West Chester Academy was classified as a "state-aided County Academy." It was non-sectarian and privately owned. James Pyle Wickersham, the nineteenth century educator and diplomat, once spoke of it as "for more than fifty years one of the leading schools of its class in eastern Pennsylvania."

In 1869, under encouragement from the Commonwealth, the Academy was closed, and its properties were sold, to make way for a district normal school. Funds from the sale helped to finance the West Chester State Normal School which, on September 25, 1871, opened its doors to 160 students. West Chester State Normal School continued as a privately owned but state-certified institution until 1913, when it became the first of the Pennsylvania normal schools to be owned outright by the Commonwealth.

In 1927, Pennsylvania initiated a four-year program of teacher training and named the school

West Chester State Teachers College. The Legislature paved the way for an even broader program on January 8, 1960, when the College acquired its present name.

LOCATION OF THE COLLEGE

West Chester State College is in West Chester, a town which has been the seat of government in Chester County since 1786. With a population of 19,000, the Borough proper is small enough to have the pleasant aspects of a tree-shaded American town, large enough to contain essential services and the substance of a vigorous community, and old enough to give the student first-hand touch with America's early history.

Students may walk to West Chester's many churches. West Chester has excellent stores and shops, and a fine hospital. The heart of the town is its courthouse, a Classical Revival building designed in the 1840's by Thomas U. Walter, one of the architects for the Capitol in Washington, D.C. Where the courthouse stands, a crossroads hamlet existed for years before the American Revolution. West Chester's first settlers were largely members of the Society of Friends who came to the Colony under William Penn's persuasion. These colonists and their descendants were leaders in the fashioning of a community of grace and charm, and in the development of a culture which produced a remarkable number of artists, writers, and scientists. The imprint of these flowering years—the first half of the nineteenth century particularly—is still evident, though the town is becoming the heart of a suburban area linked with Philadelphia.

In this growing area (Chester County now has a population nearing 300,000) students of the social sciences find abundant opportunities for the study of local, county, and regional government in an era caught in dynamic change.

The proximity of Philadelphia (25 miles east) and of Wilmington (15 miles south) puts the resources of both cities in convenient range. West Chester is near Valley Forge, the Brandywine Battlefield, Longwood Gardens, and other historic attractions of Chester County.

How to Reach West Chester

Route 3 (West Chester Pike) from Philadelphia.

Route 100 *South* from Downingtown Interchange of Pennsylvania Turnpike.

Route 202 *South* from Valley Forge Interchange of Pennsylvania Turnpike.

Red Arrow Busses from 69th Street Terminal in Philadelphia.

Penn Central Railroad from Philadelphia to West Chester (limited schedule).

NORTH AND SOUTH CAMPUS

The College has a land area of 364 acres. North Campus, an expansion of the original campus, occupies 101 acres at the southern boundaries of the Borough of West Chester. South Campus, which came into full use in 1970, is a 263-acre expanse of the gently rolling countryside which Andrew Wyeth has defined in his landscapes of Chester County.

Fronting on South New street ½ mile south of the original College, South Campus contains the huge new Health and Physical Education Center, which has won national acclaim for the quality and extent of its teaching, performance, and research facilities. John A. Farrell Stadium, playing and practice fields, and tennis courts surround the Center. Included in the open areas is a stretch of natural forest, part of which will be conserved as a resource for the natural sciences. Other sectors are marked for future building development.

Architecturally, North Campus combines late 19th century, collegiate Gothic, and contemporary styles. Four of the College's green-hued serpentine stone buildings, which have given West Chester a unique character for many decades, are still in use. The College is also known for its magnificent old trees.

The $44,000,000 building program of the 60's produced a number of major facilities and utilities which equip the College well for the needs of modern education. The Learning Research Center, the library, Mitchell Hall (Fine Arts), and the two phases of Schmucker Science Center are major additions, along with six high-rise residence halls which span the western side of North Campus.

The principal buildings on North Campus are:

Administration Building (1899), formerly Old Demonstration, which contains the offices of Undergraduate Studies, Graduate Studies, Admissions, Scheduling and Academic Records, Cultural Affairs, Curriculum Enrichment, and Public Relations and College Publications.

Anderson Hall (1938), a large, five-floor classroom building, extensively modernized in 1966, which houses the administrative offices of the School of Education, the School of Arts and Letters, and the School of Social and Behavioral Sciences, as well as several special services.

Elsie Oleita Bull Learning Research Center (1968), containing the Laboratory School, computer center, a television studio, and research offices.

Ehinger Gymnasium (1930) and *Hollinger Field House* (1949), connected buildings serving the School of Health and Physical Education.

Francis Harvey Green Library (1966), described below.

Lawrence Center (1965), which contains dining halls, the campus post office, the College radio station, a snack bar, a student lounge, the Intracollegiate Governmental Association business office, and offices of the Dean of Students, Financial Aid, College Union, and College Events.

Maintenance Building (1968), a multi-purpose building accommodating the Plant Maintenance and Security Departments, various maintenance shops, the Centrex Automatic telephone exchange, and the fire detection center.

Lloyd C. Mitchell Hall (1970), a fine-arts classroom building containing the Department of Art, galleries, and the language laboratory, as well as additional classrooms, practice rooms, and offices for the School of Music, whose building (Swope Hall) adjoins the new hall.

Old Library (1902), a Classical Revival serpentine building of great beauty now serving various temporary purposes but scheduled for supplemental services to the library. The Alumni office is presently in this building along with classrooms, faculty offices, and multigraphing services.

Philips Memorial Hall (1925), an outstanding example of collegiate Gothic, this stone building houses the Offices of the President, the Dean of Administration's office, the College's largest auditorium, Philips Memorial Library, a ballroom, the faculty lounge, conference rooms, the Office of Business Affairs, and administrative offices of the Division of Facilities.

Recitation Hall (1892), a classroom building which contains the Department of Foreign Languages, Studio 208, the College Bookstore, and a snack bar. Recitation is a serpentine building.

Reynolds Hall (1871), a former farm home of serpentine now occupied by the College Health Service and the Placement and Career Services center.

Schmucker Science Center (1968), a two-phase center including the Biological Sciences and Physical Sciences buildings. The Center contains classrooms and laboratories, a planetarium, astronomical observatory, television studio, an auditorium, and the Darlington Museum and Herbareum. The administrative offices of the School of Sciences and Mathematics are in Schmucker.

Special Education Building (1960), contains classrooms, a clinic area for special education, and offices of the coordinators of special education and urban education.

Swope Hall (1959), houses the School of Music, including offices, classrooms, an auditorium, choral and instrumental rooms, a music library, and a music listening room.

Tanglewood, a historic and handsome residence with beautiful grounds, occupied by the President of the College.

Women's Residence Halls: *McCarthy* (1960); *Goshen, Ramsey*, and *Tyson*, a trio of high-rise buildings opened in 1966; and *Schmidt* and *Wayne*, high-rises opened in 1971.

Men's Residence Halls: *Killinger* (1959); and *Sanderson* (1969), a high-rise.

A boiler plant, water pedisphere, garage, and laundry, along with several annex houses, complete the physical plant of North Campus.

South Campus facilities presently include:

Health and Physical Education Center (1970), which contains a one-acre gymnasium, divisible into six pneumatically sealed gymnasiums; a three-pool natatorium; multi-purpose teaching stations; research facilities; administrative offices; 16 lecture classrooms; two dance studios, a physiological research laboratory; two physical therapy rooms; two sauna baths, and other facilities.

John A. Farrell Stadium (1970), providing spectator seating for 7,500 at varsity football and track events, a press box, lighting for night games, and concessions and rest areas.

Athletic Field Complex (1969-70), playing and practice fields for football, hockey, soccer, lacrosse, and baseball; tennis courts; night lighting; and parking for 1,000 cars.

FUTURE EXPANSION

The College is now in the third phase of a long-term expansion program begun in 1958 under the Master Plan for Higher Education in Pennsylvania and involving an expenditure expected to reach $65-million.

Construction of a Humanities classroom building began during the 1972 spring semester. Phase II of the library, additional parking areas, and the Student Union building are in the planning stage. Future projects include an Educational Services building, a warehouse, another classroom building, and a new Administration building.

FRANCIS HARVEY GREEN LIBRARY

Students have an excellent environment for study and research in the Francis Harvey Green Library, which first opened the doors of its handsome contemporary building in 1966. Comfortable, attractively furnished, and well lighted, the library contains modern equipment and offers many conveniences. The building is the first phase of a two-phase library system. Presently in the planning stage, Phase II will be a six-story addition joined to the existing building by a two-story connecting link.

With a collection of more than 280,000 volumes and subscriptions to more than 2,800 journals, the library is rapidly growing and is an increasingly important resource for both teaching and research. The library's curriculum laboratory contains an extensive collection of courses of study and textbooks as well as a variety of audio-visual materials. Its collection of sheet music, scores, and records is housed in Swope Hall.

The general collection is augmented by an extensive micromedia collection representing more than 300,000 volumes. The micromedia material includes books, periodicals, newspapers, and doctoral dissertations. Adequate facilities for reading this material are available. The special-collection room houses the Chester County Collection of Scientific and Historical Books; the Normal Collection (a collection of historical books on physical education and publications by and about the faculty and alumni); the *Biographies of the Signers of the Declaration of Independence,* by John Sanderson; and the Shakespeare Folios. Others of importance are the children's collection, U.S. Government publications, and the Philips collection of autographed books. As part of a statewide program to promote world cultural understanding, the library is developing a collection of materials on French culture.

The many services of the library are available to all undergraduate students. Of particular interest are the reference, interlibrary loan, and photoduplication services. The library also mounts art and photography exhibits throughout the year.

TASK FORCE ON BLACK CULTURE

The Task Force on Black Culture communicates to the College the academic concerns of minority group students and recommends ways of making the curriculum relevant to all students. With the Director of Curriculum Enrichment at its head, the Task Force concerns itself particularly with the development of new offerings in black studies and with the integration of elements of black studies and black culture into many existing courses.

EDUCATIONAL SERVICES

BUREAU OF EDUCATIONAL MEDIA SERVICES. The Bureau assists faculty members in the planning and production of educational media for classroom use. It also operates the closed-circuit system employed when segments of appropriate courses are taught by television. The Bureau's services include production in the areas of still photography, recording, duplicating, and overhead transparencies.

CHESTER COUNTY INTERMEDIATE UNIT INSTRUCTIONAL MATERIALS SERVICE. West Chester is headquarters for this center, which makes more than 2,500 films available to the 85 schools it serves. The center also maintains the College film library and promotes effective use of instructional materials and technology in the 12 affiliated school districts. College faculty and student teachers may make use of these facilities.

BUREAU OF RESEARCH AND RELATED SERVICES. The Bureau of Research and Related Services fosters the development of basic, applied, and institutional research and provides facilities for the tabulation and analysis of research data. The research function of the Bureau encompasses studies initiated by the faculty and administrative staff of the College as well as cooperative endeavors carried on under the joint sponsorship of the College and various external educational agencies and foundations. The Bureau assists faculty and students to secure financial support for their research projects. A computer center, statistical laboratory, and research facilities are maintained in the Learning Research Center.

Data processing services include the tabulation and summarization of information essential to the operation of the various administrative divisions of the College and the statistical treatment and computer analysis of experimental data obtained from faculty and student research activities. The Department of Mathematics offers courses in computer science.

THE EDUCATIONAL DEVELOPMENT CENTER. Cooperatively established and maintained by Cheyney State College, West Chester, and the Pennsylvania Department of Education, the Center is part of a network of agencies to improve elementary, secondary, and teacher education throughout the Commonwealth. Its clientele includes public, private, and parochial schools and colleges. Its activities include services designed to (1) identify curriculum needs, (2) improve existing education programs, (3) design pilot/exemplary programs, (4) assist in grant procurement to support innovative projects, and (5) to publish new and developing education and teacher-education programs and concepts.

Beginning with the 1972-73 academic year, this Center will function as Pennsylvania's Center for Urban and Bilingual Education Studies. In this capacity its service area will be the entire Commonwealth.

THE HIGHER EDUCATION OPPORTUNITY PROGRAM

This program, launched in the summer of 1968, seeks to give disadvantaged high school students the fullest possible opportunity to progress successfully in college study. From its service area, the College selects a racially integrated group of students who, because of certain inequities in their socio-economic backgrounds, would normally lack the incentive and the academic qualifications for regular admission to West Chester. Students in the program study in an academic and cultural environment designed to compensate for these inequities and to provide them with an optimum setting for realizing potentials signaled by previous high school performances.

A lightened first-semester credit load, along with supportive and remedial assistance, are among the academic aspects of the program. Personal growth is encouraged through a rich exposure to art, music, drama, literature, and sports. The academic growth of many participants indicates that the program has proved meaningful and worthwhile.

OFFICE OF CULTURAL AFFAIRS

This Office, headed by a Director, functions as the center for the development, scheduling, and coordination of all cultural events. The College's extensive cultural affairs program is described under "Cultural Affairs" in Student Life.

ART COLLECTIONS

The College's Permanent Art Collection is made up primarily of gifts from interested art patrons, Senior Class purchases, and gifts from the alumni. A different selection from the collection is placed on view each year in the galleries in Lloyd C. Mitchell Hall.

The Intracollegiate Governmental Association Permanent Art Collection also has a growing collection of art works which are on display at various times in both Mitchell Hall and the Francis Harvey Green Library. The IGA Collection consists of a number of important works such as the water color, "Andress Place," by Andrew Wyeth.

HISTORICAL PROPERTIES

Among a number of historical properties which came to the College as heritages from the Chester County Athenaeum, a literary society of the early 19th century, are letters to Anthony Wayne from George Washington, Israel Putnam, Benedict Arnold, and others.

The College also possesses a mahogany clock which belonged to Benjamin Franklin and Anthony Wayne's telescope. Both were acquired from the West Chester Academy, forerunner to the present College.

DARLINGTON HERBARIUM

The Darlington Herbarium, housed in Schmucker Science Center, is one of the highly regarded historical collections of dried plant specimens in the East. Among the 20,000 specimens are plants collected by such famous explorers and botanists as Captain John Fremont, Thomas Nuttall, Sir William Hooker, C. S. Rafinesque, and George Engelmann. More than 200 collectors from America's formative years of 1820 to 1850 are represented. The herbarium was the work of Dr. William Darlington (1782-1863), a member of the West Chester Cabinet of Science. Dr. Darlington was eminent in West Chester as a physician, educator, banker, businessman, historian, and botanist. His plants, however, were his first love. A state park has been established in northern California to preserve a rare species of insectivorous plant named in his honor—*Darlingtonia.*

SPEECH AND HEARING CLINIC

The clinic, located on the second floor of Wayne Hall, provides diagnostic and therapeutic services for persons with speech and hearing problems. These services are available to College students, the College community, and residents of West Chester and the surrounding area. The clinic is maintained as a teaching-training facility for the degree program in the Department of Speech Pathology and Audiology.

OVERSEAS STUDY

The Junior Year Abroad Program, sponsored by the College, makes it possible for prospective teachers of French to spend two undergraduate semesters at the University of Montpellier in France. See "Department of Foreign Languages" for details. Periodically, several of the Schools offer field-study courses which take place in Europe or other foreign countries during the Summer Session.

OCEANOGRAPHY CONSORTIUM

As a participant in the Delaware Bay Marine Science Consortium, West Chester provides students with opportunities for field studies in oceanography. The Consortium, an affiliation of 8 Pennsylvania State Colleges, Indiana University of Pennsylvania, Pennsylvania State University, and The Catholic University of America, was launched in 1968. Its field stations are located in Lewes, Delaware, and Wallops Island, Virginia, where both undergraduate and graduate students may attend summer courses. Although primarily a summer project, the developing program has begun to include field trips to the stations as part of fall and spring semester course work in oceanography. Detailed information may be obtained from the Department of Earth, Space, and General Sciences.

GRADUATE STUDIES

West Chester's graduate program, introduced in 1959, has expanded rapidly and now offers study leading to the Master of Education in 18 disciplines, the Master of Arts and Master of Science in a number of fields, and the Master of Music. With the in-service teacher particularly in mind, West Chester designs its graduate studies for the fall and spring semesters around a schedule of late-afternoon, evening, and Saturday-morning classes. It is possible to undertake full-time graduate programs during the academic year and in Summer Sessions.

The following graduate programs are offered:

Certification and/or Master of Education

Biology
Chemistry
Counselor Education
(For those seeking certification, the master's degree is required)
Earth and Space Science
Elementary Education
English
French
Geography
German
Health and Physical Education
Instructional Media Education
Latin
Mathematics
Music Education
Physics
Reading
Social Science
Spanish

Master of Arts

Biology
English
History
Mathematics
Music
French
German
Latin
Spanish
Philosophy

Master of Science

Chemistry
Educational Research
Health and Physical Education

Master of Music

Graduate catalogues and further information are available from the Dean of Graduate Studies.

SUMMER SESSIONS

West Chester offers programs for both undergraduates and graduates at summer sessions.

Summer session catalogues, announcing offerings and schedules, may be obtained from the Director of Admissions (for undergraduate studies) and the Dean of Graduate Studies (for graduate studies).

THE ALUMNI ASSOCIATION

West Chester State College Alumni Association is a large and active organization whose members show their devotion to the College in many ways. The Association's Board of Directors, with 22 members, holds quarterly meetings, and the total Association meets annually on Alumni Day (the Saturday preceding Commencement Sunday). The semi-annual *Golden Ram* and the semi-annual *Newsletter* keep the alumni, many of whom belong to branch organizations in local communities, informed. Campus headquarters for the Association are the offices of the Director of Alumni Affairs, Old Library. Officers of the Association are shown following the faculty directory.

Admission to West Chester

Admission is based on scholarship, character, and potential for achievement in a degree program. Out-of-state students are admitted only under highly selective criteria and unusual circumstances.

West Chester welcomes qualified students, faculty, and staff from all racial, religious, ethnic, and socio-economic backgrounds.

GENERAL REQUIREMENTS FOR ADMISSION

1. Graduation, with satisfactory scholarship, from an approved secondary school, or approval by the Credentials Evaluation Division of the Pennsylvania Department of Education.

2. Either a satisfactory score on the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board (C.E.E.B.) or satisfactory scores on the tests given in the American College Testing Program (ACT).

3. A favorable evaluation of the applicant's character, written by an official of his secondary school.

4. An interview or admissions conference, for which the Office of Admissions will initiate arrangements at the proper time.

PHYSICAL EXAMINATION REQUIREMENTS

Except for the health and physical education programs, applicants are not asked to submit a health reference until they have been accepted for admission. Upon acceptance, they will receive a form for the necessary health examination. If the report indicates deficiencies which would handicap performance in certain professions, the College will give the student opportunity to select a field of study more appropriate to his state of health. But if the medical report shows that the student will not be able to meet the demands of any College program, admission will be revoked, and the acceptance fee of $75 refunded.

Health and physical education majors. A satisfactory medical report is required for admission to the health education and health and physical education programs. The necessary form will be supplied by the School of Health and Physical Education prior to its pre-admission interview.

ADMISSION REQUIREMENTS IN SPECIFIC FIELDS

Health and Physical Education and Health Education. See School of Health and Physical Education for additional admissions requirements.

Mathematics. Mathematics majors must present three secondary units of mathematics, including algebra and plane geometry.

Music. See School of Music for additional admissions requirements.

Nursing. See Department of Nursing.

PROGRAMS FOR WHICH FOREIGN LANGUAGES ARE RECOMMENDED

Although not required, previous study in foreign languages is highly desirable for those intending to teach foreign languages or English and for liberal arts programs.

EXAMINATIONS REQUIRED FOR PLACEMENT PURPOSES

For placement purposes, all applicants must furnish at least one achievement test score. If ACT scores are submitted for admission they will, in many instances, also serve to provide the required achievement test score. However, *all* applicants who take the SAT test for admission must submit scores on the C.E.E.B. English Composition Achievement Test and, in some cases, on one or two additional achievement tests. Details follow:

Applicants who submit ACT scores for admission. The ACT tests, covering the fields of English, mathematics, natural science, and social science, produce all needed achievement test scores except in foreign languages. A test in foreign languages is therefore administered at West Chester by its Department of Foreign Languages. This test must be taken by:

1. Secondary education applicants who will major in either English or foreign languages (provided they have studied a foreign language).

2. Applicants for all liberal arts programs (including music) which lead to the B.A. or the B.S. in chemistry (provided they have studied a foreign language).

These applicants must arrange to take the test by communicating with the Department of Foreign Languages for dates and details.

Applicants who submit the SAT score for admission. Although a second achievement test of the applicant's choice is strongly urged, the C.E.E.B. English Composition Achievement Test is the only placement test requirement in the following programs:

Business Administration
Elementary Education
Health Education
Health and Physical Education
Music Education
Music (B.Mus. Program)
Speech Pathology and Audiology
B.S. in Nursing

In addition to the English Composition Achievement Test *applicants in secondary education* must submit scores for the achievement test in their major (concentration). If the major is English and the applicant has studied a foreign language, he must also submit achievement test scores in that language.

In addition to the English Composition Achievement Test, *applicants for all liberal arts programs* (B.A. programs including music and the B.S. in chemistry) must submit scores for the achievement test in their major and in their foreign language, provided they have studied one.

All achievement test scores must reach the Office of Admissions no later than June 1.

POLICY FOR DEFICIENT SCORES

Students whose scores are low on either the English Composition Achievement Test or the English section of the ACT tests are required to take a remedial English course, either in the summer sessions preceding their freshman year or during their first semester.

ARRANGING FOR TESTS

Information about C.E.E.B. or ACT tests may be obtained from guidance counselors or the Office of Admissions.

CITIZENSHIP REQUREMENT FOR TEACHERS

See Academic Information.

HOW AND WHEN TO APPLY FOR ADMISSION

For application forms and instructions, send the request form at the back of this catalogue to the Director of Admissions.

Applicants for a fall semester are urged to begin the application procedure immediately after their junior year of secondary school. Facilities permitting, the Director of Admissions will accept applications into the spring of the year in which admission is desired.

Applicants for a *spring semester* should submit the request form by November 1. They must take their SAT or ACT tests no later than July 31.

Applicants for the nursing program are admitted only for the fall semester.

Last Day for Admission of New Freshmen. Completed application procedures must be in the Office of Admissions by July 1 for a fall semester or December 1 for a spring semester. If enrollment quotas are filled before these dates, admissions will be closed.

Notice of Decisions. Candidates will hear from the Director of Admissions as soon as possible after decisions are reached. The applicants' secondary schools will also be notified.

READMISSION OF FORMER STUDENTS

Students who have withdrawn from West Chester for acceptable reasons may ask the Office of Admissions for an application for readmission. Those who have attended any institutions of higher learning since leaving West Chester must request those institutions to forward transcripts of their records to the Office of Admissions.

Students intending to enroll in student teaching in the first semester of readmission must file an application for student teaching with the Director of Student Teaching at least four months before their expected readmission.

All readmission applications must be filed not later than June 1 for the fall semester or December 1 for the spring semester. If enrollment quotas become filled before these dates, admissions will be closed.

ADMISSION OF COLLEGE GRADUATES SEEKING CERTIFICATION

College graduates who wish to obtain teaching certification should consult with the Associate Dean of Undergraduate Studies.

TRANSFER STUDENTS

Students previously enrolled, no matter how briefly, in another school of collegiate rank are classified as *transfer students.* Students whose cumulative grade-point average is less than 2.00 will not be considered for admission.

All application procedures must be completed and in the Office of Admissions by July 1 for a fall semester or December 1 for a spring semester. If enrollment quotas become filled before these dates, admissions will be closed. Admission of transfer students is also subject to the availability of a place in classes to which they should be assigned.

APPLICATION PROCEDURE FOR STUDENTS TRANSFERRING FROM AN ACCREDITED INSTITUTION

1. File a transfer application form, available from the Office of Admissions.

2. See that the Director of Admissions receives:

a. Two official transcripts of records from all institutions attended, with honorable dismissal shown. If preliminary (incomplete) transcripts are submitted, the student must see that completed transcripts are filed later.

b. A letter of recommendation from the Dean of Men, Dean of Women, or Dean of Students of the last college attended full-time, attesting that the student's citizenship record was entirely satisfactory.

c. Two written recommendations from persons (not relatives) who have known the applicant well in his home community.

d. A letter from the applicant stating why he wishes to transfer to West Chester.

e. Mid-term grades, if the student is enrolled elsewhere in the fall semester and applying to West Chester for the following spring semester.

3. If a student has completed less than 30 semester hours of credit he must supply a SAT score or ACT scores.

Upon acceptance, transfer students are given a health report form which must be completed. Admission is contingent, finally, upon a satisfactory health reference.

For administrative purposes, transfer students are classified as *commuting students.* (See Student Services.)

Transfer students should also note the paragraph titled "Maintenance of Minimum Standards" in Academic Information.

COLLEGE POLICIES FOR STUDENTS TRANSFERRING FROM A NON-ACCREDITED INSTITUTION

Applicants from collegiate institutions (including community colleges and junior colleges) which are *not accredited* by one of the six Regional Associations in the United States will be considered for admission under the following regulations:

1. An applicant's cumulative index must be 2.00 (C) or better and, in the cases of community and junior colleges, must meet their recommended mark for transfer.

2. The evaluation of *academic* courses listed on transcripts from an institution not accredited by one of the six Regional Associations will be made in accordance with the recommendations of the American Association of Collegiate Registrars and Admissions Officers in their *Report of Credit Given by Educational Institutions.* Thus, if the *Report* recommends that an institution's credits be recognized for transfer, West Chester will accept them for equivalent courses, provided the grades earned are C or better.

3. The evaluation of courses applying to the special areas of health and physical education and music will be made by the respective Schools in accordance with their policies as follows:

a. *Health and Physical Education.* Under the provisions of the national professional association, all colleges offering health, physical education, and recreation have reciprocal transfer relationships. Thus, a student wishing to transfer in health and physical education will receive transfer credits in the major field in terms of major courses satisfactorily passed (C or better) at a college accredited by the National Council for Accreditation of Teacher Education and the American Association for Health, Physical Education, and Recreation. Academic courses will be evaluated as stated in 2, above.

b. *Music.* Credit will be allowed only on the basis of music tests for music courses. Academic courses will be evaluated as stated in 2, above.

4. Applicants must submit a SAT score or ACT scores which meet the minimum established by the College for the curriculum concerned.

Application procedure: Follow procedure outlined above under "Application Procedure for Students Transferring from an Accredited Institution" except for its last item (3). Students applying from non-accredited institutions are uniformly required to submit a SAT score or ACT scores regardless of semester hours completed in other institutions.

ACCEPTANCE OF AN OFFER OF ADMISSION

Each applicant who accepts an offer of admission to the College must sign an acceptance form which includes the following statement: "I hereby submit myself to the jurisdiction of the College and agree to be governed by the rules and regulations of the College now existing or to be adopted during the period in which I am enrolled as a student."

POLICY ON EARLY ADMISSIONS

In exceptional circumstances students with superior academic qualifications and unusually mature personal development are admitted as freshmen upon completing their junior year of secondary school. Students who, in the opinion of their guidance counselor, warrant consideration for early admission may obtain more information from the Director of Admissions. The closing date for application is April 1.

Auditing Privileges

See Academic Information.

Fees and Expenses

Fees and Expenses are Subject to Change Without Notice

FEES

BASIC FEE FOR LEGAL RESIDENTS OF PENNSYLVANIA

Full-time students .....$350 per semester
Part-time students .....$29 per semester hour
(11 or less semester hours) .....(minimum $87)

BASIC FEE FOR OUT-OF-STATE STUDENTS

The basic fee for out-of-state students is $46 per semester hour.
With 16 semester hours
this is .....$736 per semester
Minimum fee .....$138 per semester

SPECIAL CURRICULUM FEES (ADDED TO BASIC FEE)

School of Music .....$45 per semester
(not applicable to part-time students unless taking individual lessons)

School of Health and
Physical Education .....$18 per semester
(prorated for part-time students)

HOUSING FEE

The housing fee for students living in campus residence halls is $360 per semester, and covers room and meals while the College is in session. The College charges independent housing students or off-campus students $180 per semester for meals in the dining hall.

ROOM RESERVATION FEE

A room reservation fee of $50 is required, late in the spring semester, of all currently enrolled students who apply to the Dean of Men or Dean of Women for residence hall reservations for their next academic year. These applications must be made during a three-day period announced each spring in campus publications. The room reservation fee is not refundable but is credited to the housing fee for the following fall semester. This fee must be paid on the day of application by check or money order drawn to the "Commonwealth of Pennsylvania."

FINANCIAL OBLIGATIONS

Students and their parents or guardians should observe that all fees and costs are subject to change without notice and that, since the acceptance of a student is for a semester, financial obligations are for a semester.

The College may authorize payments on a monthly basis for full-time students whose circumstances require a deferred-payment schedule. Requests for a deferred-payment schedule should be sent to the Director of Business Affairs.

ADVANCE PAYMENT OF HOUSING AND BASIC FEES

All students are required to pay their housing and basic fees in advance of each semester. The College sends bills for these fees preceding each semester. If payment is not made within the stipulated period, the student is dropped from the admissions list or the rolls of the College; loses all privileges and priorities, including his room reservation; and forfeits his room reservation fee.

Payments fall due each academic year as follows:

Fall Semester	first Monday in August
Spring Semester	first Monday in January

Any change in these dates will be shown on fall or spring semester invoices.

Checks should be made payable to the "Commonwealth of Pennsylvania" and mailed to:

Office of Business Affairs
West Chester State College
West Chester, Pa. 19380

APPLICATION FEE FOR NEW STUDENTS

An application fee of $10 is required of all applicants. It is not refundable under any circumstances and is not credited to a student's account. The application fee must be paid by cashier's check or money order (not personal check or cash).

ACCEPTANCE FEE FOR NEW STUDENTS

The student accepts an offer of admission by paying an additional $75 as a guarantee of his intention to enter the College in the semester indicated. This fee is not refundable,* but upon enrollment is credited toward the basic fee. The acceptance fee must be paid by cashier's check or money order.

ADVANCE REGISTRATION FEE FOR RETURNING STUDENTS

Returning students affirm their intention to register for the immediate semester by their advance payment of semester fees (see above).

DAMAGE FEE

Students are held responsible for damage, breakage, loss, or delayed return of College property and will be charged for any damage other than that occurring from normal use or deterioration. If a student damages College property while using an appliance not provided by the College, he may be charged a proportionate amount of the repair cost.

* If, before enrollment, the College finds it necessary to revoke admission on the basis of an unsatisfactory health report from the student's physician, the acceptance fee will be refunded.

PRIVATE MUSIC INSTRUCTION FEES

The special music fee of $45 covers the required individual lessons for eight semesters of study for students in the B.S. in Music Education program and the B.A. in Music program with a concentration in theory and music history. Students in the B.A. in Music program with a concentration in applied music must pay an additional fee of $45 per semester for the required individual lessons in the last four semesters, while students in the Bachelor of Music program must pay an additional fee of $45 per semester for the required individual lessons in all eight semesters.

All students who elect individual lessons beyond those provided in their curriculum must pay a fee of $45 per semester in each case.

Part-time students must pay the semester hour fee in addition to the fees for individual lessons.

Music students pay no extra fee for the use of practice pianos. They are, however, charged for the following:

(1) Pipe organ for practice, one period each weekday, $36 per semester.

(2) Band or orchestral instruments, $6 rental per semester.

Elementary Education Majors whose Area of Interest is Music—charged a lesson fee of $45 per semester for private instruction in each of the following: voice, piano, organ, or band or orchestral instruments. Pianos for practice are available at no charge. The rates for organ practice and use of band or orchestral instruments are those shown above for music majors.

All Other Students—charged a lesson fee of $45 each semester for one half-hour lesson per week, plus a $45 out-of-music curriculum fee per semester. The rates for organ practice and use of band or orchestral instruments are those shown above for music majors.

MISCELLANEOUS FEES

Record Transcript Fee of $1. Charged to students for the second and all subsequent transcripts of records. The $1. fee applies also to those not currently enrolled. (A cashier's check or money order is required.)

Late Registration Fee of $25. Required of students completing registration after the official registration date.

Late Payment Fee of $5. Charged for overdue payments required during the semester.

Transient Lodging Fee of $1.58. Charged for overnight guests.

Transient Meals Fee. Breakfast, 60¢. Lunch, 85¢. Dinner, $1.25.

Additional Housing Fee of $2 per week. Required when one person is permitted to occupy a double room. (This privilege is given only in summer session.)

Auditing Fee. Auditors are charged the part-time basic fee of $29 per semester hour if residents of Pennsylvania, or $46 per semester hour if out-of-state students. Minimum fees are $87 and $138 respectively. (See *Auditing Privileges* in Academic Information.)

POLICIES ON REPAYMENTS AND REFUNDS

(1) Students who withdraw from the College after paying their semester fees will not be eligible for a refund of the room fee ($180) unless they give written notice by August 1 for the fall semester and by January 1 for the spring semester to: (a) the Office of Undergraduate Studies and (b) the Office of Business Affairs.

In any circumstance, students who withdraw after paying their semester fees are subject to a minimum forfeit of $75.

(2) Resident students who change their housing status will likewise not be eligible for a refund of their room rent ($180) unless they give written notice by August 1 for the fall semester and by January 1 for the spring semester to: (a) the Dean of Women or Dean of Men and (b) the Office of Business Affairs.

(3) Repayments will not be made to students who are temporarily or indefinitely suspended, dismissed, or who voluntarily withdraw from the College.

(4) In cases of personal illness, certified by an attending physician, or for other reasons which may be approved by the Board of Trustees, the College will refund the proportion of the housing and other basic fees for that part of the semester which the student does not spend in the College. No refund will be made for an absence of less than two weeks. Application for a refund must be made in writing to the Office of Business Affairs.

(5) Repayments of the application fee or acceptance fee will not be made under any circumstance.

DELINQUENT ACCOUNTS

No student will be enrolled, graduated, or given a transcript of his record until all charges due at the particular time are paid.

ADDITIONAL COSTS

COMPULSORY ACCIDENT INSURANCE

A policy, provided at a modest cost, is compulsory for all students in health and physical education, for all students participating in the intercollegiate athletic program, and for all students who are members of a club of an athletic nature.

INTRACOLLEGIATE GOVERNMENTAL ASSOCIATION FEE

A student activities fee of $25 per semester is collected from all full-time students and administered through a cooperative organization under regulations approved by the Board of Trustees. It covers the cost of the student activities program in such areas as athletics, various musical organizations, lectures, entertainment, and student publications.

The student activities fee should be paid promptly upon receipt of the bill, which covers the academic year. Checks should be drawn to "IGA" and mailed or delivered to the Intracollegiate Governmental Association. At their initiative, part-time students may obtain the benefits of the activities program by paying the fee at IGA.

BOOKS

Students buy their own books, available from the College Bookstore for approximately $75 per semester.

IDENTIFICATION CARDS

All full-time students must secure an identification (ID) card from IGA at a cost of $1, either during Freshman Orientation or at the beginning of a semester. The charge for replacement of a lost card is $2. ID cards are not issued to part-time students.

LIBRARY CARDS

Since part-time students do not carry a College identification card, they must secure a library card ($1) from the library.

CLASS DUES

Class dues are an obligation which full-time students assume upon admission. Freshman Class dues are $5; others are determined annually.

GOVERNMENT DUES

Every student is a member of Men's or Women's Government and is assessed Government Dues of $2 per year.

GRADUATION FEE

A graduation fee of $20 is required of all degree candidates. No degree will be granted until this fee is paid. The bill is presented when the student files Notice of Intention to Graduate in the Office of Undergraduate Studies. It must be paid to IGA by check or money order drawn to "IGA."

GYMNASIUM UNIFORMS

Men students in the B.S. in Health and Physical Education degree program are required to buy athletic and gym outfits costing approximately $35 for the first semester and $35 for the third semester.

Women Students in the B.S. in Health and Physical Education degree program must buy, for their first semester, uniforms costing approximately $70. Order forms are sent to each applicant upon her acceptance by the College. An additional expenditure of $15 is required of all sophomores.

All other students are required to purchase a regulation gym outfit. For the women students this includes a pair of blue shorts, a white shirt, a white sweat shirt, white socks, and canvas tennis shoes, costing altogether about $20. For men the outfit includes a pair of white shorts, a white T-shirt, white socks, and canvas gym shoes, at an approximate total cost of $10.

FRESHMAN SWIM-SUIT RENTAL

All freshmen pay a swim-suit and towel rental fee of $3, covering use of a suit throughout their undergraduate years.

SPECIAL COSTS FOR NURSES

In their freshman year, students in the B.S. in Nursing program must purchase uniforms costing approximately $100. Throughout enrollment, students in this program must carry liability insurance at a yearly cost of approximately $12.

Summary of Yearly Costs for Full-Time Pennsylvania Students

Class dues and the cost of required gymnasium or nursing uniforms are not included in this summary.

All Curricula but Music and Health and Physical Education

a. Students Living on Campus

Basic fee	$700
Student Activities Fee	50
Books (approximately)	150
Room and Board	720
	$1,620

b. Day Students

Same as above, minus Room and Board	$900

Health and Physical Education Curricula

a. Students Living on Campus

Basic Fee and Special Curriculum Fee	$736
Student Activities Fee	50
Books (approximately)	150
Room and Board	720
	$1,656

b. Day Students

Same as above, minus Room and Board	$936

Music Curricula

a. Students Living on Campus

Basic Fee and Special Curriculum Fee	$790
Student Activities Fee	50
Books (approximately)	150
Room and Board	720
	$1,710

b. Day Students

Same as above, minus Room and Board	$990

EXPENSES AND FEES UNDERGRADUATE SUMMER SESSIONS

Board and room: $20 a week.

Activities fee (Regular Session): $3.50.

Activities fee (Pre and Post Session): $1.75.

Basic fee for legal residents of Pennsylvania: $29 per semester hour of credit. (Minimum basic fee for the Regular Session: $87. Minimum basic fee for the Pre or Post Session: $43.)

Basic fee for out-of-state students: $46 per semester hour of credit. (Minimum basic fee for the Regular Session: $138. Minimum basic fee for the Pre or Post Session: $69.)

A special health-and-physical-education fee of $3 per summer course is applicable in courses—such as driver education—which utilize College equipment. Special music fees apply for students taking private instruction.

All summer-session fees are due and payable on the general registration dates. The following late fees are charged:

(1) A late pre-registration fee of $10 for failure to furnish the required pre-registration form within the pre-registration period, which ends two Fridays prior to any session.

(2) A change-of-course fee of $5 for a course change made after pre-registration.

(3) A late summer-registration fee of $25.

Financial Aid

The purpose of the West Chester State College financial aid program, which is administered under the Director of Financial Aid to Students, is to provide monetary assistance to students who can benefit from further education, but who cannot do so without such assistance. West Chester State College administers a comprehensive program of scholarships, grants, loans, and student employment which enables many students with limited funds to meet their college costs.

Each applicant for financial aid must:

1. Be accepted for admission to West Chester State College.

2. Submit an application for financial aid to the Director of Financial Aid, Room 103, Lawrence Center, West Chester State College. The necessary forms will be included with the admissions materials sent to a student after he or she has been formally accepted at West Chester.

3. Submit a Parents' Confidential Statement (PCS) by May 1 to the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540. The "PCS" form may be obtained from high school guidance offices, the College Scholarship Service, or the Director of Financial Aid at West Chester State College.

Please note that submission of the above forms does not automatically entitle a student to receive financial aid.

Unless otherwise specified, requests for scholarships, loans and employment opportunities described herein should be made to the Director of Financial Aid, West Chester State College.

SCHOLARSHIPS

Alpha Sigma Phi Scholarship. An annual $100 award given by Alpha Phi Sorority to a woman student on the basis of citizenship, scholarship, and need.

Bethlehem Alumni Club Scholarship. $200 given annually to a Bethlehem High School or Bethlehem Catholic High School senior entering the College the next year.

James B. Bonder Memorial Scholarship. An annual award to a deserving football squad member by Mrs. James B. Bonder, alumni, and friends, in memory of Dr. Bonder, former football coach and faculty member, who died in 1965.

Laury Samuel Brokenshire Scholarship. This $100 scholarship is presented annually as a memorial to Laury Brokenshire, '59, by his parents, Mr. and Mrs. James R. Brokenshire, of Reading. It is awarded to an outstanding Junior Class music student selected by the School of Music faculty.

Jean Burger Scholarship. A $100 award presented each year by Mr. and Mrs. Robert A. Burger, of Leola, to an outstanding sophomore or junior woman gymnast in memory of their daughter, Jean Burger, who was a health and physical education major and gymnast at West Chester.

Delaware County Federation of Junior Women's Clubs Scholarship. A yearly award of about $100, given to at least one Junior Class woman residing in Delaware County.

Dr. Robert E. Drayer Memorial Award. An annual award for the senior who graduates with the most distinguished record in history, in memory of Dr. Robert E. Drayer, Assistant Professor of History, who died in 1968. The Department of History selects the recipient.

Friars Memorial Scholarship. This $100 annual scholarship honors West Chester students who died in World War II. The recipient is a man in the Junior Class.

Arthur E. Jones Memorial Scholarship. Talent in the vocal-choral area and scholarship are among considerations for an annual award to a music student in remembrance of Dr. Arthur E. Jones, former Chairman of Choral Music. To be eligible, a student must be a junior who has completed a course in choral conducting. The Department of Vocal and Choral Music selects the recipient.

Walker Hamilton, Jr. Memorial Scholarship. As a memorial to Walker Hamilton, Jr., an Associate Professor of English who died in 1968, the Department of English annually makes an award to an academically superior English major. The recipient must have completed three years at West Chester.

School of Health and Physical Education Scholarship. Five $100 scholarships, awarded to sophomore students in health and physical education.

Kift-Mullen Memorial Scholarship for Future Teachers. $200 given annually to a junior or senior who is a graduate of Allentown High School or Allentown Central Catholic High School. The Robert L. Kift-Thomas R. Mullen, Jr. Memorial Fund, maintained by Lehigh Structural Steel Company, Allentown, is the donor.

Martin Luther King, Jr. Memorial Award. An annual award given to one or more Afro-American students by the West Chester campus chapter of the N.A.A.C.P. in honor of the late Dr. Martin Luther King, Jr. Applicants are reviewed by the campus chapter of N.A.A.C.P.

Lewis H. Marshall Award. An annual award to a senior in the School of Social and Behavioral Sciences whose leadership, professional promise, and academic achievement are outstanding. It is made available by the Chester County Association of Township Officials, and the awardee is selected by a committee of faculty from the School of Social and Behavioral Sciences.

Samuel Martin Scholarship. Available to students of limited means who are preparing to teach. Children of Friends or students in sympathy with Friends are preferred. Applications are made to Elbert N. Pusey, Esquire, 30 West Market Street, West Chester.

Sarah H. Mellor Scholarship Fund of the Chester County Council of Parent-Teacher Associations. A $100 award, made yearly to one or more graduates from selected Chester County high schools in memory of a former West Chester student, teacher, and Trustee.

S. Powell Middleton Memorial Scholarship. An annual award to a freshman music student for talent and achievement on an orchestral instrument. The award honors the former conductor of the College Symphony Orchestra, who died in 1970.

Michael Morochko Memorial Piano Award. The Department of Keyboard Music presents a $200 scholarship annually to an outstanding student pianist as a memorial to Michael Morochko, father of a former student.

Music Sophomore Scholarship. Three $100 scholarships, given annually to School of Music sophomores. College citizenship and musical performance are criteria.

Hillary H. Parry Memorial Scholarship. An annual award to a junior music student, granted for scholarship, citizenship, and achievement in vocal study. The scholarship is in remembrance of a former teacher of voice.

Phi Mu Alpha (Sinfonia) Powell Middleton Award. An annual $100 award to a male music major whose musicianship, scholarship, and character are outstanding. Phi Mu Alpha presents the award in memory of S. Powell Middleton, former conductor and instrumental teacher at the College.

WILLIAM PYLE PHILIPS SCHOLARSHIPS. Awarded annually to at least twenty juniors and seniors who are natives of Chester County. The scholarships recognize high scholastic ability and citizenship, and cover the students' yearly basic fees. If recipients are music or health and physical education majors, the special curriculum fee is also covered.

THEODORE PRESSER FOUNDATION SCHOLARSHIP. Two $200 scholarships, made available by the Presser Foundation's Board of Trustees, are awarded each year to juniors or seniors in music education. The School of Music faculty makes the selections.

ANNE M. SCHAUB MEMORIAL SCHOLARSHIP. As a memorial to a former faculty member of the School of Health and Physical Education, a scholarship is bestowed annually to a second-semester sophomore woman in health and physical education.

HANNAH KENT SCHOFF MEMORIAL SCHOLARSHIP. Two scholarships of $150 yearly or $600 for four years are available from the Pennsylvania Congress of Parents and Teachers for students entering teacher education at any of the 13 Pennsylvania State Colleges or Indiana University of Pennsylvania. High school seniors become candidates upon recommendation of their guidance counselors. Application forms, available from guidance counselors, must be filed with the selected institution before March 1.

SCHOOL OF MUSIC MEMORIAL SCHOLARSHIP FUND. A fund established to honor distinguished musicians and to perpetuate their dedication to teaching by awarding scholarships in their memory. When the fund becomes sufficiently endowed, specific scholarships are planned in memory of Fritz K. Krueger and Robert L. Carl, former School of Music faculty members who died in 1971.

SCHUYLKILL COUNTY ALUMNI CLUB AWARD. An annual award based on need, ability, and promise, given to a West Chester student residing in Schuylkill County.

DAVID M. SENSENIG MEMORIAL SCHOLARSHIP. $50 savings bonds given annually to two juniors with outstanding ability in mathematics. Dr. Sensenig was chairman of the Department of Mathematics from 1895 to 1908.

DR. AHMAD H. SHAMSEDDINE MEMORIAL AWARD. An annual award for an outstanding student in the field of business and economics, in memory of Dr. Ahmad H. Shamseddine, Associate Professor of Economics, who died in 1971. The Department of Business and Economics selects the recipient.

SICO SCHOLARSHIPS. $1,200 scholarships, in limited number, provided by the SICO Company of Pennsylvania to students from specified localities entering West Chester in the field of elementary education. Applications from high school seniors must be filed before March 1 through their guidance counselors. The stipulated areas of legal residence are: Chester, Adams, Berks, Cumberland, Dauphin, Delaware, Lancaster, Lebanon, and York Counties; Kent, New Castle, and Sussex Counties in Delaware; and Cecil County, Maryland.

DR. CHARLES S. SWOPE MEMORIAL SCHOLARSHIP TRUST. A scholarship trust established by the Swope family in memory of Dr. Charles S. Swope, who served as President of West Chester State College for a quarter of a century. Fifteen or more $600 scholarships are awarded yearly to outstanding students in one of the College's teacher-education programs. The Swope Scholarship Committee determines the recipients upon the basis of academic achievement, character, dedication to the teaching profession, and participation in extracurricular activities. Sophomores and juniors may obtain applications from the Dean of Undergraduate Studies or the Office of Financial Aid. Applications must be received by April 15.

VALKYRIE CLUB SCHOLARSHIP. The Club, composed of women majors in health and physical education, awards an annual $100 scholarship to one of its Junior Class members.

YORK COUNTY ALUMNI AWARD. A yearly award, in memory of Elsie Oleita Bull, for a York County resident entering or attending West Chester. Need, ability, and achievement are the criteria. The amount varies.

PENNSYLVANIA STATE SCHOLARSHIPS. The Scholarship Program of the Commonwealth of Pennsylvania, created by the 1965 General Assembly, aids qualified Pennsylvania students who need financial assistance in order to attain a higher education. The scholarships are based upon the student's academic potential as shown on the Scholastic Aptitude Test of the College Entrance Examination Board, upon admission to an institution of higher learning, and upon need for financial assistance, as determined by the Pennsylvania Higher Education Assistance Agency.

LOANS

National Defense Student Loan Program. Under the National Defense Education Act of 1958, qualified students can obtain long-term, low-interest loans. The program includes loan cancellation provisions designed to attract superior students to the teaching profession at all academic levels. Approval of loans depends upon the student's need for financial assistance and the availability of funds. Preference is given to students from low-income families.

Pennsylvania Higher Education Assistance Agency Loan Guaranty Program. Under the Pennsylvania Higher Education Assistance Act of 1963, as amended, qualified Pennsylvania residents can obtain long-term, low-interest educational loans, made by private lending institutions who are guaranteed repayment by the Pennsylvania Higher Education Assistance Agency.

West Chester State College Student Emergency Loan Fund. Students doing satisfactory academic work and needing funds to continue in the College may obtain short-term loans up to $100 from this fund. The loans must be repaid before graduation or prior to registration for the next academic year.

Alumni Student Emergency Loan Fund. The West Chester State College Alumni Association maintains a fund from which students in financial need may borrow up to $100. No interest is charged, although legal security is required. Applicants must have a satisfactory academic record. The loans must be used for college expenses and be repaid before graduation or prior to registration for the next academic year.

Viola Marple Scholarship Loan Fund. The will of Miss Viola Marple, a former teacher in the Department of English, provides scholarship loans for the education of two deserving women students whose records of ability, scholarship, and character promise competence for teaching. Recipients of the interest-free and renewable loans are selected by the English faculty and the President. Application forms may be secured from the Chairman of the Department of English.

COLLEGE WORK-STUDY PROGRAM

The College Work-Study Program is designed to expand part-time employment opportunities for students, particularly those from low-income families, who are in need of earnings from part-time employment to pursue their course of study. Students are employed for an average of 15 hours weekly during the academic year and a maximum of 40 hours weekly during summer or vacations. In general, the hourly wage is at least equal to the current Federal minimum wage.

Counseling Services for Seniors Seeking Graduate Assistantships or Fellowships

Seniors planning to pursue graduate study at other colleges or universities may obtain information about scholarships, fellowships, or assistantships from the Director of Guidance and Counseling or the library. Conferences with department chairmen or faculty advisers are recommended.

Student Services

ADMINISTRATIVE CLASSIFICATION OF STUDENTS

Although the majority of West Chester's undergraduates live on the campus, many commute to the College. For administrative purposes, the College classifies its students as:

(1) RESIDENT STUDENTS

a. R1—Students living in College Residence Halls
These students live in residence halls owned and operated by the College and are required to take meals in the dining hall.

b. R2—Students living in Fraternity or Sorority Houses
Students living in fraternity or sorority houses are governed by the rules and regulations established by the Interfraternity Council and the Panhellenic Council in cooperation with the Dean of Men and the Dean of Women.

(2) INDEPENDENT HOUSING OR OFF-CAMPUS STUDENTS

These students live away from the homes of their parents or legal guardians but not in a house supervised by the College or subject to College rules and regulations.

(3) DAY OR COMMUTING STUDENTS

This classification includes students who travel or commute to and from the College from their legal residence.

HOUSING

The residence halls on the campus provide accommodations for approximately 3,000 students.

Newly admitted students will not be guaranteed housing for their full four years unless adequate housing in the residence halls becomes available.

Room Assignments. The Dean of Men and the Dean of Women make the room assignments for all students living in the residence halls. Student rooms have basic furnishings for comfortable living and the students may make them more homelike with their own accessory additions. During Freshman Orientation, students are informed by the Dean of Women or Dean of Men about the services and equipment furnished by the College and those necessities which the student must supply for himself. Lounge and recreation areas, storage rooms, television, and a variety of other facilities add convenience and a pleasant setting for student life.

Freshman Students. All freshmen—both men and women—who have been accepted as resident students have the opportunity to live in the College residence halls.

Transfer Students. For administrative purposes, transfer students are first classified as *commuting students* or *independent housing students.* Transfer students who desire accommodations in residence halls are placed on a waiting list with priority based on the date of their application for resident status.

Married Students. The College has no housing facilities for married students. Prior to registration, they will need to secure their accommodations. Area realtors and newspapers should be consulted.

Overnight Guests. If accommodations are available, a resident student may have an overnight guest on Fridays or Saturdays, at a charge of $1.58 per night. Prior approval and registration must be secured from the Dean of Men (for men students) and the Dean of Women (for women students).

DINING ACCOMMODATIONS

Dining accommodations are provided in Lawrence Center, where all resident students take their meals. Independent housing students may eat meals in the College dining room on a semester basis. Commuter students may eat here at the transient rates of 60¢ for breakfast, 85¢ for lunch, and $1.25 for dinner. Three meals are served, cafeteria style, every day of the week. Menus are carefully planned to meet the nutritional needs of active students.

The dining hall staff is not equipped to meet the special needs of students whose health requires medically regulated diets. These students should see the Dean of Administration at least two weeks in advance of each semester.

Students who do not have a semester contract for meals may not eat in the dining hall unless they pay the transient fee for an individual meal. If this regulation is violated one or more times, the student will be held responsible for payment of the full semester charge for meals in the dining hall.

FRESHMAN ORIENTATION PROGRAM

Freshman Orientation is a mandatory, three-day summer program which introduces all incoming freshmen to the College. Administered by the Guidance and Counseling Center, the orientation includes placement testing, counseling, discussion sessions, academic advisement, social and recreational activities, and opportunities to become acquainted with facilities and services. Participating freshmen are housed in residence halls and take their meals in the dining hall. Within limits of early response and available space, admitted freshmen may schedule for the most convenient of several orientation periods. Advance notice of the program is sent to all incoming freshmen; for further information communicate with the Guidance and Counseling Center.

COLLEGE HEALTH SERVICE

To meet emergency and first-aid needs, and to perform routine infirmary treatment of minor illnesses and minor surgical conditions, two part-time physicians and four registered nurses are available, at no cost to the students. A four-bed ward is available for short-term observation or treatment at the discretion of the College physicians. The Health Service is in Reynolds Hall where, for emergencies, a nurse is on duty on a 24-hour basis while College is in session. Beyond these services, the College does not furnish medical care nor bear the costs of medical or surgical treatment or hospitalization. The community of West Chester has qualified physicians and excellent hospital facilities.

INSURANCE PROGRAM

In order to ease the financial burden which could result from extended illness or serious injury, a voluntary student insurance program, approved by the College, is available to all full-time students. The College *requires* all students in health and physical education, all students participating in the intercollegiate athletic program, and all students who are members of a club of an athletic nature to purchase the minimum coverage.

Information about the insurance program is mailed to students prior to registration or may be obtained from the Dean of Administration or the College Health Service.

Liability Insurance Requirement for Students in Nursing. See Department of Nursing.

STUDENT PHYSICAL EXAMINATIONS

In addition to the physical examination required for entering students, a completed physical examination form must be submitted annually to the College Health Service by all students participating in the intercollegiate athletic program.

At registration for the senior year, all teacher-education majors must submit a completed phy-

sical examination form so that their current health status can be approved prior to certification for teaching.

The College Health Service reserves the right to request an annual physical examination by the family physician for any student suffering from a chronic illness. The College may deny admission to, or later dismiss, any student whose health would be detrimental to other College students.

Physical Examination Requirement for Students in Nursing. See Department of Nursing.

VEHICLE REGULATIONS

All students may operate motor vehicles at the College. Students who intend to park motor vehicles on official student parking lots must register their vehicles with the Campus Police and obtain an authenticated decal, under College motor vehicle regulations.

CAMPUS POST OFFICE

The College has an on-campus post office, located on the second floor of Lawrence Center. Commuting students and independent housing students may receive their mail here, through combination-lock mail boxes. Mail boxes are assigned to them on request. Residence hall students receive their mail at their halls. To insure prompt delivery, mail sent to residence hall students should show the student's name, room number, the name of the residence hall, and West Chester Pa., 19380.

COLLEGE POLICY FOR STORM CLOSINGS

If storm conditions make it necessary to close the College, announcement will be made over area radio and television stations via a system of code numbers keyed to closed schools. West Chester's numbers are:

853 Day Classes
2853 Evening Classes

COLLEGE BOOKSTORE

In addition to required textbooks, the College Bookstore carries paperback books, stationery, other student supplies, records, gymnasium uniforms, college blazers, and various gift and souvenir items. The store, located on the ground floor of Recitation Hall, is a student enterprise whose profits benefit the students.

LOUNGE FACILITIES

In addition to the social lounges in residence halls, a large and attractively furnished lounge in Lawrence Center serves both commuting and resident students. Here they may entertain guests, gather informally for relaxation, or enjoy music. A snack bar, near the lounge, is another popular gathering place for leisure moments.

SPEECH AND HEARING CLINIC

The services of the Speech and Hearing Clinic, located on the second floor of Wayne Hall, are available to students. The clinic, which the Department of Speech Pathology and Audiology maintains as a teaching-training facility, provides diagnostic and therapeutic services for persons with speech and hearing problems. Others who may use the services of the clinic are the College community and residents of West Chester and the surrounding area.

GUIDANCE AND COUNSELING CENTER

The professional services of the Guidance and Counseling Center are available to students who need help with problems affecting their academic proficiency, or who have difficulties in adjusting to college life. The staff is trained and experienced in the administration of psychological tests, counseling, and personality evaluation. The program offered includes orientation for entering students.

The student who is coping with emotional difficulties, tensions, or problems of a personal nature should seek assistance at the Center.

PLACEMENT AND CAREER SERVICES

A modern, active Placement and Career Center, located in Reynolds Hall, provides career services for all students, freshman through senior, in their attempt to reach their career goals successfully. A Teaching Career Library as well as a Liberal Arts and Science Career Library are kept current for student browsing and research. These services are available daily throughout the entire calendar year without charge to the students.

The professional staff of the Placement and Career Center works directly with students in both teacher education and arts and sciences in providing current information on careers and job opportunities through classroom guest lecturer visits, career orientation sessions, and individual consultations. Since career and placement services are considered an integral part of the educational process, a direct line of communication exists between the College teaching staff and Administration and the staff of the Career and Placement Center.

By organizing a full schedule of career days, seminars, and on-campus interviews, the Placement staff assists the student in making direct contact with potential employers from schools, industry, business, and governmental agencies.

Assisting the student to define his career goals, relating his academic preparation with the world of work, and directing the search and campaign for full utilization of one's potential—together, these constitute the major thrust of Placement and Career Services.

SCHEDULING OF COLLEGE EVENTS

All College functions and special events should be registered in advance with the Director of College Events, Lawrence Center, in order that they will have facilities and the necessary supportive services.

SELECTIVE SERVICE INFORMATION

The Dean of Undergraduate Studies is the adviser on Selective Service. Students wishing counsel on this subject should apply at his office.

VETERANS' AFFAIRS

The Office of Scheduling and Academic Records processes benefit applications from veterans.

Student Life

West Chester has an active and interesting student community offering a great variety of experiences which extend and enrich the process of learning.

STUDENT GOVERNMENT

The Administration believes that students should share in governing the student community and should have a voice in examining and shaping the objectives of the College.

West Chester students have democratically constructed governmental organizations for maintaining a mature and responsible student community and for developing activities and programs which best meet their interests and needs. Through advisory and committee machinery, the Administration, the faculty, and the student body seek to work democratically together in behalf of the general concerns of the College.

INTRACOLLEGIATE GOVERNMENTAL ASSOCIATION

The Intracollegiate Governmental Association (IGA) is the student governing body, concerning itself with the welfare of all students at West Chester. All students, upon payment of their activities fee, are members. IGA officers and representatives are democratically elected, and under its constitution IGA provides students with valuable experiences in the processes of democratic government.

IGA's General Assembly, chosen by election, is the legislative body; the IGA program is administered through its officers and a student committee system. In fiscal matters, in various policy-making areas, and in disciplinary action, final authority rests with the President of the College and the Board of Trustees.

The General Assembly is composed of representatives from the four Classes, the Women's and Men's Resident Governments, the Women's and Men's Commuter Governments, and representatives at large.

Under guidance from the Dean of Students and faculty advisers, IGA maintains the College Bookstore, publishes the student newspaper and handbook, operates the College radio station, conducts ticket sales for College events, and plans and conducts many all-campus events and programs.

COMMUTER, RESIDENT, AND CLASS GOVERNMENTS

Other aspects of student government rest with the Freshman, Sophomore, Junior, and Senior Classes, who elect their officers; and with the Women's and Men's Resident Governments and the Women's and Men's Commuter Governments, which are also democratically constructed.

DISMISSAL FROM COLLEGE

Disciplinary powers are inherent in an educational institution's responsibility to protect its educational purpose by regulating the use of its facilities and by setting standards of conduct and scholarship for its students. In encouraging the development of responsible student conduct, the College employs counseling, guidance, admonition, and example, as well as disciplinary proceedings. Students found in violation of the College's rules and regulations may be subject to suspension or expulsion, but only upon the approval of the President.

THE EXTRACURRICULAR PROGRAM

West Chester has a large extracurricular program in which students are encouraged to take part. They have a wide choice of activities, ranging from professional organizations to clubs centered around special interests, religious needs, and various group concerns. For more detailed information than the following pages provide, students may consult their handbook, "Ram's Eye View."

The Dean of Students has overall responsibility for the extracurricular program. In coordinating it and seeing that it meets student needs, he works with the officers and committees of IGA and the Classes and—with the aid of the Director of Student Activities and the Director of College Events—the leadership of the various clubs and organizations.

CULTURAL AFFAIRS

It is not by accident that West Chester students enjoy a cultural affairs program of a scope and quality surpassed by few American colleges. For many generations both the College, with its large School of Music, and the community have taken great interest in the arts and thought of their times. Since 1968, when a Director of Cultural Affairs was appointed, this extracurricular aspect of the College has acquired even larger dimensions.

For example, in 1971-72, John Ciardi, Carl T. Rowan, Reid Buckley, and Dr. Morris B. Abram were the scheduled speakers for the William Pyle Philips Lecture Series; John Glenn, James Farmer, Karl Hess, Senator Robert Packwood, Dick Gregory, and Stephen Butter for the College Union Activities Lecture Series.

Through the All-Star Series, students have heard the Pittsburgh, Minnesota, Detroit, National, Melbourne, and Madrid symphonies; Isaac Stern, Phyllis Curtin, Jerome Hines; the Robert Shaw and Gregg Smith singers; the Goldovsky Grand Opera Theatre; and seen the National, Winnipeg, Pennsylvania, and American ballet companies.

The All-Star Chamber Music Series has presented the Curtis, de Pasquale, Cleveland, and Warsaw string quartets, the Concentus Musicus, and the Mozarteum Woodwind quintet.

Distinguished speakers have further included Madame V. L. Pandit, Arnold Toynbee, Robert Frost, Winston Churchill II, Sir Julian Huxley, Mark Van Doren, Agnes de Mille, Michael Harrington, Ralph Nader, and George Wald.

Additional series and events which fill the cultural affairs calendar include the Campus Cinema Committee's films, School of Music concerts and recitals, monthly art and photographic exhibits at the Francis Harvey Green Library, monthly exhibits arranged by the Department of Art in the new Lloyd C. Mitchell Hall, the English Colloquium, the College's Theatre Dance Group performance, and Little Theatre Productions in Theatre 208.

MUSICAL ORGANIZATIONS

In conjunction with the regularly scheduled student and faculty recitals, the College maintains the following well-developed musical organizations which contribute to the wealth of fine music on the campus:

THREE COLLEGE BANDS. The Symphonic Band, Concert Band, and Marching Band. Membership is determined by the student's qualifications regardless of curriculum.

WIND ENSEMBLE. A band of 50 to 60 outstanding campus wind instrumentalists and percussionists. The ensemble performs difficult music. Emphasis is on contemporary works.

SYMPHONY ORCHESTRA. Membership is determined by the student's qualifications.

INSTRUMENTAL ENSEMBLES AND CHAMBER MUSIC GROUPS. Membership in these groups is determined by the student's qualifications.

THE CRITERIONS. The College jazz lab band. Members are selected by audition.

CONCERT CHOIR. A mixed choir of music students selected by audition. This choir of about 40 voices meets twice a week, devoting its efforts toward acquiring a fine technique of choral singing through the preparation of an extensive repertoire for performance.

MADRIGAL CHOIR. A performance group, selected by audition, which features the music of the Renaissance and Baroque periods.

CHOIR. A mixed choir of junior and senior music students. This group meets twice a week, devoting its efforts toward a wide association with choral literature. It is used as an opera chorus in School of Music productions and joins with the Concert Choir for large performances.

WOMEN'S CHORUS. All freshman and sophomore women not in the Concert Choir who are enrolled in music education are required to take this course, devoting their efforts primarily toward acquiring the techniques of choral singing.

MEN'S CHORUS. All freshman and sophomore men in music education who are not enrolled in the Concert Choir are required to take this course. Men from all other curricula are invited to audition for this group.

MIXED CHORUS. A mixed chorus of freshman and sophomore music education students which meets once a week, alternating as a mixed chorus and as Men's Chorus and Women's Chorus. It combines with the Concert Choir for performances.

SOCIETY FOR THE PERFORMANCE AND APPRECIATION OF MUSIC IN HISTORY. Open to all students, the weekly meetings are for the pleasure of learning to sing and play music written before 1800, using reproductions of ancient instruments. Public performances.

OPERA CHORUS. An elective course devoted to the training of a choral group which participates in opera and operetta production. Membership is by audition.

WOMEN'S GLEE CLUB. This organization provides an opportunity for non-music women students to participate in a choral group. The activities include the annual Christmas Carol Program and the Women's Glee Club spring concert. Membership is by individual audition.

SPORTS AND ATHLETICS

All West Chester students are fortunate in having the unusual resources of the School of Health and Physical Education for the pursuit of sports and athletic activities. Almost every conceivable athletic activity of individual, dual, or team nature is available, and the courts, pools, and playing fields of the College offer ideal settings for the recreation which is both a pleasurable and desirable element of total student life.

The intramural and intercollegiate phases of the College's broad athletic program, open to all students, are fully described under School of Health and Physical Education.

OTHER EXTRACURRICULAR ORGANIZATIONS AND ACTIVITIES

FORENSICS. The College has a strong program in intramural and intercollegiate forensics. Its Forensic Society is the focal point for training and participation in competition in debate, oratory, extemporaneous speaking, after-dinner speaking, parliamentary discussion, and interpretive reading.

LITTLE THEATRE. Excellent opportunities for experience in educational, technical, and performing theatre are offered through this student organization, which functions in Theatre 208. Its major productions, drawn both from the classics and from contemporary drama, are outstanding events for the College and the community as well. Students with talent and interest in drama are welcome to explore Little Theatre, headquartered in Recitation Hall.

PUBLICATIONS AND RADIO

QUAD ANGLES. This student newspaper is published by the Intracollegiate Governmental Association with a faculty member as adviser. All interested students are invited to seek Quad Angles positions, which offer training and experience in many areas of journalism.

THE SERPENTINE. Publication of this College yearbook is the responsibility of the Senior Class. A pictorial and written record of the year's college activities, the yearbook is edited by a student staff under faculty advisement.

THE LITERARY MAGAZINE. This magazine contains creative writing, both prose and poetry, selected from the literary output of students.

RAM'S EYE VIEW (THE STUDENT HANDBOOK). Detailed information concerning student life at West

Chester is provided by this handbook, edited by students and published annually. It is particularly valuable to incoming students.

STATION WCUR. Sponsored by the Intracollegiate Governmental Association, WCUR serves the College with news, music, and special interviews and programs. The station, operated entirely by students, offers experience in all phases of radio communication.

RELIGIOUS ORGANIZATIONS AND PLACES OF WORSHIP

Opportunities for fellowship and religious experience are offered by the following groups:

Inter-Varsity Christian Fellowship
Hillel Club
Newman Student Association
Christian Science Organization
Baha'i Club
Lutheran Student Association

The Ecumenical Campus Ministry, under an advisory ministerial group from the West Chester area, provides programs oriented to the educational community.

Students are always welcomed at the many places of worship in and near the Borough of West Chester.

BLACK STUDENT UNION

This large and important organization came into official existence during the fall of 1971. The Black Student Union is dedicated to the creation of a relevant atmosphere for black students at West Chester. Union membership is open to all West Chester students, faculty, and staff—regardless of race, color, or creed—who have a concern for the black cause.

A major purpose of the organization is to broaden and enhance the academic and social life for black students at the College.

The Union's democratically structured constitution provides for a chairman and board of directors, consisting of two members from each class, elected by the membership. Applications for membership in the Union are reviewed by its board of directors. Applications for membership may be made through the Union chairman, its class representatives, or the Curriculum Enrichment offices, Room 200, Administration Building.

THE CAMPUS N.A.A.C.P.

The College has a large and active chapter, chartered in 1964, of the N.A.A.C.P. The chapter's major goals are 1) to contribute to better racial understanding by informing the College community about black events and the contributions of blacks in many fields and 2) to encourage and conduct social, cultural, and educational events which meet the needs of black students at West Chester. The campus N.A.A.C.P. presents an annual Talent Show to benefit the Martin Luther King, Jr. Scholarship Fund, which the chapter established in 1968. The organization also sponsors programs and arranges displays in observance of Black History Week.

HONOR SOCIETIES

ALPHA LAMBDA DELTA. The West Chester chapter of this national freshman scholarship society for women encourages superior scholastic attainment and scholarship development. A 3.5 average for the first semester or a 3.5 cumulative average for the first two semesters is required for membership.

ALPHA MU GAMMA. The Department of Foreign Languages sponsors a chapter of this national collegiate foreign-language honor society, devoted to promoting the study of foreign languages and encouraging cultural exchange with foreign students.

ALPHA PHI GAMMA. Delta Kappa chapter of this national honor society for men and women in journalism was established 1968.

ALPHA PSI OMEGA. Rho Mu chapter of this coeducational dramatic fraternity was established in 1961. It is responsible for one major production presented each year in cooperation with Little Theatre, which sponsors Alpha Psi Omega.

GAMMA THETA UPSILON. Gamma Eta chapter of this professional geography fraternity was established in 1963. The organization promotes professional interest in geography.

KAPPA DELTA PI. The School of Education sponsors this society to encourage high professional standards in education. Membership is by invitation to education majors with high academic standing.

PI GAMMA MU. The School of Social and Behavioral Sciences sponsors Omega chapter for the purposes of improving scholarship in the social sciences and inspiring social service to mankind. Majors in the School with high academic accomplishments are invited into membership in their junior or senior year.

PI KAPPA DELTA. A chapter of this national honor society for students in competitive forensic activities was established in 1969 under School of Arts and Letters sponsorship. Pi Kappa Delta has its base in the Debate Society.

PI MU EPSILON. This national mathematics society is open to Junior Standing students who rank in the upper one-third of their class and have completed 18 hours of mathematics with a minimum average of 3.0.

PHI ALPHA THETA. Organized in 1968, Nu Sigma chapter of this international honor society in history is sponsored by the Department of History. Phi Alpha Theta is open to history majors in teacher education and liberal arts who have a minimum average of 3.01 in twelve or more semester credits in history.

PHI EPSILON KAPPA. The School of Health and Physical Education sponsors a chapter of this national professional fraternity for men majoring in health and physical education. Phi Epsilon Kappa seeks to advance the profession of health and physical education.

PHI MU ALPHA (SINFONIA FRATERNITY). Rho Sigma chapter of this professional fraternity for men majoring in music was formed at West Chester in 1967. The organization seeks to advance the cause of music in America and to further the welfare and brotherhood of students in music. Membership is by invitation. Members must be in at least their second semester.

PSI CHI. A chapter of this national honor society in psychology is sponsored by the Department of Psychology. Membership is by invitation, with scholarship and citizenship as criteria. Psi Chi, under the aegis of the American Psychological Association, endeavors to advance the service of psychology and encourages superior scholarship in psychology.

SIGMA ALPHA IOTA. Epsilon Epsilon chapter of this internationally incorporated professional fraternity for women in music was formed in 1968. The fraternity is dedicated to service in the field of music. Membership, by invitation, recognizes scholarship. Members must be in at least their second semester.

SERVICE FRATERNITIES AND ORGANIZATIONS

ALPHA PHI OMEGA. Omicron Upsilon chapter of Alpha Phi Omega, national service fraternity, is open to all men of the campus community. This national fraternity is dedicated to developing leadership and providing an opportunity for its members to serve their college and community. Omicron Upsilon chapter conducts numerous service-oriented activities at West Chester.

CAMPUS GIRL SCOUTS. Established at West Chester in 1969, this group is affiliated with the Girl Scout movement and dedicated to service, fellowship, and leadership.

THE FRIARS SOCIETY. The Friars Society, which has been established at West Chester for many years, is composed of sophomore, junior, and senior men invited into the organization in recognition of character and leadership. The Society's various service projects concern the good of the College community.

SOCIAL FRATERNITIES AND SORORITIES

The College has a system of social fraternities and sororities, governed respectively by the Interfraternity Council and the Panhellenic Council, a chapter of the National Panhellenic conference. Since their introduction in 1967-1968, the social fraternities and sororities have rapidly taken their place as an integral part of campus life at West Chester.

NATIONAL FRATERNITIES	NATIONAL SORORITIES
Alpha Phi Alpha	Alpha Omicron Pi
Lambda Chi Alpha	Alpha Phi
Sigma Tau Gamma	Alpha Sigma Alpha
Tau Kappa Epsilon	Alpha Sigma Tau
Theta Chi	Alpha Xi Delta
Pi Lambda Phi	Delta Zeta
Zeta Beta Tau	Zeta Tau Alpha

SOCIAL EVENTS

Among the College's traditional social events are Rampage Weekend (homecoming), the Christmas Candlelight Dinner, Greek Weekend, Parents' Day, Spring Weekend, Senior Weekend, and the various class social events.

Academic Information

Under West Chester's advisory program, every student has a faculty adviser who counsels him on academic matters throughout his undergraduate years. It is, however, the student's responsibility to see that he or she meets all requirements for graduation.

CLASSIFICATION BY COLLEGE PROGRAM

Regular Student—all undergraduates admitted to a degree program.

Non-degree Student—special students admitted for course work toward certification, professional growth, or other purposes.

ACADEMIC CLASSIFICATION OF STUDENTS

The student's class designation is determined by the number of semester hours of credit *earned,* thus:

Freshman	0-31 semester hours of credit (inclusive)
Sophomore	32-63 s.h. of credit (inclusive)
Junior	64-95 s.h. of credit (inclusive)
Senior	96 or more s.h. of credit

Note: In computing the cumulative index, the total number of credits *attempted* is considered. (See "Cumulative Index" below.)

GRADING SYSTEM

Grade	*Interpretation*	*Percentage Equivalents*	*Quality Points*
A	Excellent	A = 90 - 100	4
B	Superior	B = 80 - 89	3
C	Average	C = 70 - 79	2
D	Below Average	D = 60 - 69	1
F	Failure	F = 59 or lower	0
P	Passing		
I	Incomplete		
WF	Withdrew Failing	F = 59 or lower	0
WP	Withdrew Passing		
AU	Audit		

I (Incomplete): given when a student fails to complete course requirements by the end of a semester for such valid reasons as serious illness or death in the family. Unless the work is satisfactorily completed within the first nine weeks of the next semester, the I becomes an F.

PASS-FAIL POLICY

1. All juniors and seniors with a cumulative index of at least 2.00 are eligible.

2. The Pass-Fail privilege is limited to one course per registration; only a non-major elective may be taken on a Pass-Fail basis.

3. After contracting for Pass-Fail, the student may not request a letter grade.

4. A form for a Pass-Fail agreement may be obtained from the Office of Undergraduate Studies. It must be completed and returned no later than one week after the beginning of a semester or summer session.

5. A grade of Pass carries credit value but has no effect on the cumulative index.

6. A grade of Fail is computed into the cumulative index.

CUMULATIVE INDEX

The cumulative scholastic index (academic average) is determined by dividing the total quality points earned by the total credit hours *attempted.* The following example, based on a single semester, illustrates:

	Semester Hours	Grade	Quality Points for Grade		Quality Points for Course
1st subject	4	A	4	4 x 4 =	16
2nd subject	3	B	3	3 x 3 =	9
3rd subject	3	C	2	2 x 3 =	6
4th subject	3	D	1	1 x 3 =	3
5th subject	2	F	0	0 x 2 =	0
	15				34

34 ÷ 15 = Scholastic Index 2.27

All grades received during a student's enrollment are included in the cumulative index. Grades from other colleges are excluded.

ACADEMIC HONORS LISTS

The academic honors lists are published at the close of each semester.

High Honors List—cumulative index of 3.50-4.00

Honors List—cumulative index of 3.00-3.49

GRADUATION HONORS

Graduation honors are determined at the end of the seventh or eighth semester; they are awarded as follows:

	Cumulative Index
cum laude	3.25—3.49
magna cum laude	3.50—3.74
summa cum laude	3.75—4.00

To be eligible for honors distinctions, transfer students must have completed a minimum of 64 semester hours, or four full-time semesters, at West Chester.

MAINTENANCE OF MINIMUM STANDARDS

A 2.00 (C) cumulative index is the minimum acceptable for academic work; students failing to maintain a 2.00 index are considered probationary students.

In order to remain in the College as degree candidates, students must attain the following cumulative indexes:

With 0 to 32 credits attempted or two full-time semesters completed	1.60
With 33 to 63 credits attempted or four full-time semesters completed	1.80
With 64 to 95 credits attempted or six full-time semesters completed	2.00
With 96 or more credits attempted or eight full-time semesters completed	2.00

A minimum cumulative index of 2.00 (C) for all work taken at the College is required for Senior Standing and graduation.

Transfer students are required to maintain the above cumulative indexes. The number of credits taken at West Chester is added to the number of credits transferred for the purpose of determining the credit hours attempted. For example, 34 credits transferred and 32 credits at the College equal 66 credits and require a minimum average of 2.00.

ACADEMIC DISMISSAL

If a student does not attain the required cumulative index by the end of the spring semester, he may attend summer sessions at West Chester in order to improve his academic average. If the deficiency is corrected during the summer, the student is reinstated and continues his degree candidacy. If, however, he does not attain the required cumulative index by the end of the summer sessions, his degree candidacy is terminated unless *readmission* is achieved through part-time evening attendance or summer sessions.

After his first academic dismissal from West Chester, he may apply for readmission as described below under "Readmission." A second academic dismissal permanently terminates his degree candidacy at West Chester.

ROOM RESERVATION POLICY FOR REINSTATED STUDENTS

Room reservations are not held for resident students who are in academic difficulty at the close of the spring semester. If students attend summer sessions and are reinstated for the following fall semester, they must reapply for housing.

READMISSION

If a student does not meet requirements for reinstatement following attendance at the West Chester summer sessions, the following procedure for readmission as a degree candidate applies:

1. The student must achieve the required cumulative index. (See "Maintenance of Minimum Standards," above.)

2. In an effort to secure the required cumulative index, he may register for courses in evening classes or summer sessions at West Chester as a part-time, non-degree student. (Courses taken at other colleges or universities, even though approved by the Dean of Undergraduate Studies, will *not* be considered in computing the cumulative index.)

3. Candidates for readmission must file an application with the Director of Admissions by June 1 or December 1.

4. Readmission status is granted only after approval by the Academic Standards Committee, the major department or School, and the Dean of Men or Dean of Women.

The student is not eligible for readmission as a degree candidate until he has remained away from West Chester State College as a full-time student for a period of at least one academic semester following academic dismissal.

Readmission to West Chester as a degree candidate is not possible if the student has been permanently dismissed because of academic failure. (See "Academic Dismissal," above.)

GRADE REPORTS

After each semester, the Director of Scheduling and Academic Records mails a report of each student's semester grades to the student's home address.

STUDENT CLASS LOAD

A full-time student's schedule must have a normal load (12-18 s.h. of credit).

STUDENT LOAD FOR VETERANS

The Veterans Administration requires students who are veterans to schedule at least 12 s.h. per semester in order to receive full benefits under the G.I. bill.

REPEATING COURSES

A student must repeat any *required* course given an F. He *may* repeat any course for which he received an F or D. The repeat grade will stand as the final grade for graduation, but the original grade will not be erased and will be computed into the cumulative index. Repeated courses must be taken at West Chester.

WITHDRAWAL FROM A COURSE

A. *During the first six weeks of a semester* a student may withdraw from a course by (1) securing a drop card from the Academic Records office, (2) obtaining his instructor's signature, and (3) returning the card to the Academic Records office.
B. *After the first six weeks of a semester* a withdrawal will not be approved except for special reasons

and emergencies. The student secures a withdrawal form from the department involved, has it signed by the instructor and department chairman, and returns it to the Office of Undergraduate Studies.

If a student is doing passing work at the time of approved withdrawal, he receives a WP, which is not treated as a grade. If he is failing, he receives a WF, computed as an F.

A student who drops a course without official permission is given an F.

STUDENT ABSENCE POLICY

The student absence policy is a graduated policy providing leniency to students (primarily juniors and seniors) enrolled in 300 and 400 courses, and certain restrictions to freshmen and sophomores in 100 and 200 courses. The privilege given to upperclassmen, regardless of course level, is based upon their demonstrated ability to assume responsibility.

The absence policy is based on the belief that satisfactory proficiency in course work is the student's responsibility, as is class attendance. Course grades should reflect satisfactory comprehension of the course material; they should not be based on an attendance record.

The policy is administered at the student-faculty level. Only when notified by a faculty member that a student is being dropped from a course does the Administration learn of a poor attendance record.

Absences from 300 and 400 courses have no specific restriction; for 100 and 200 courses, freshmen and sophomores are allowed a total number of absences equal to three times the semester credits. On days of an announced quiz, test, or examination, no absences are permitted, regardless of course level. Absences exceeding those prescribed for 100 and 200 courses may cause a freshman or a sophomore to be dropped from the course with a WP or WF notation on his record. Students will be dropped from a course only after the faculty member has discussed the matter with the department chairman and notified the student of his intention.

WITHDRAWAL FROM THE COLLEGE

A student intending to withdraw from the College must write to the Dean of Undergraduate Studies, stating why and when he plans to withdraw. If he fails to comply with this requirement, the student, after ten days of unexplained absence, will lose his enrollment in the College. His last day in classes will terminate his connection with the College.

If a student discontinues his work at the College for reasons of illness or other emergencies, he must notify the Dean of Undergraduate Studies immediately. Unless he withdraws officially, F grades will be recorded for unfinished courses.

TRANSFER OF CREDIT

Advanced credit may be granted for equivalent courses completed in *accredited* institutions of collegiate grade.

Credit will not be transferred if the course grade is the lowest passing grade of the institution assigning it. If D is the lowest passing mark, courses so marked will not be accepted. If numerical marking is used, courses will be accepted when the grade is ten or more points above the passing mark.

INDEPENDENT STUDY

Enrolled students desiring approval for independent study must apply on forms available from the Office of Undergraduate Studies. The privilege of independent study is subject to:

1. Application within the first two weeks of a semester.
2. A cumulative index of at least 2.00 in the major area.
3. Evidence of a satisfactory academic background for the course.
4. Approval, written on the application form, from the Dean or department chairman concerned.
5. For part-time students only: payment of the basic fee for the course.

The grade received will be recorded on the student's permanent record and credited toward graduation requirements.

EXEMPTION FROM FINAL EXAMINATIONS

With the instructor's permission, a student may waive a final examination if he has attained an A or B prior to the final. His course grade will be the A or B earned exclusive of the final examination grade.

AUDITING PRIVILEGES

Anyone may attend the College for the sole purpose of auditing one or more courses by obtaining approval from the Office of Undergraduate Studies and paying the regular fee.

Full-time students have the privilege of auditing one course per semester without charge, provided they obtain approval from the course instructor.

Part-time students may audit one course per semester,

provided they obtain the instructor's approval, enroll in the course through the office of Undergraduate Studies, and pay the regular course fee.

Credit is never given to auditors, and audited courses do not appear on the student's record. The auditor status may not be changed after the course has commenced.

ADVANCED PLACEMENT PROGRAM

Courses taken under the Advanced Placement Program offered by the College Entrance Examination Board may be applied toward advanced placement in the College and/or toward credit requirements for graduation. Application for credit must be made to the Dean of Undergraduate Studies by July 1. The College recognizes grades of 5 and 4 as acceptable, but not grades 3, 2, or 1.

If an application is approved, the student registers for the course and pays the fee. There is no fee for an application for advanced standing without credit. No more than 15 credits earned under the Advanced Placement Program may be applied toward graduation requirements.

CITIZENSHIP REQUIREMENT FOR TEACHERS

To be eligible for a teacher's certificate in Pennsylvania, a student must be a U.S. citizen. Exception is made for foreign languages, for which aliens may be certified on a three-year basis.

TEACHERS IN SERVICE

The College does not grant credits for teaching experience.

POLICY ON CORRESPONDENCE COURSES

The College does not allow credit for courses taken through correspondence.

ARMED SERVICES ROC PROGRAM

The College, with the approval of the Board of Trustees, permits West Chester students enrolled in the Armed Services Reserve Officer Candidate Program (ROC) to receive six semester hours of baccalaureate credit upon successful completion and certification of ROC military requirements. Such credits are classified as free elective transfer credits. Depending on the status of a student's program at the time of ROC credit transfer, these credits will be counted toward, or in excess of, the 128 credits required for a baccalaureate degree.

ROC programs are contingent upon successful completion of military requirements during summer vacation and the award of a college degree before being granted the service commission. The programs cover the Navy's Basic and Advanced Reserve Officer Candidate courses and the Marine Corps' Junior and Senior Platoon Leadership courses.

STUDENT TEACHING

Student teaching is to be taken in the seventh or eighth semester and normally culminates the professional experience in pre-service preparation for teaching. Students are required to file applications for student teaching one year prior to their student-teaching semester. Regular meetings for student-teaching registration are scheduled annually for the first week in February. Prospective student teachers must attend one of these meetings.

Students must do their teaching in stations in school areas where the College holds a contract for student teachers.

To be eligible for student teaching, candidates must have Senior Standing (96 semester hours), a cumulative index of 2.00 (C) or higher and should have completed all course work required in the first six semesters. Applications for admission to student teaching are reviewed by the student's department and the Director of Student Teaching.

RESIDENT CREDIT REQUIREMENT

To qualify for graduation, a student must take his last 30 semester hours of credit at West Chester.

REQUIRED NOTICE OF INTENTION TO GRADUATE

Students intending to graduate in May or August must come to the Office of Undergraduate Studies and give Notice of Intention to Graduate no later than February 1. Students intending to graduate in December must give such notice no later than October 1. The baccalaureate degree will not be granted unless this requirement is met.

When the student submits this Notice he will receive a cap-and-gown order form and his bill for the graduation fee. He will also specify how he wishes his name shown on the diploma and Commencement program. Unless he meets the above deadline, it will be impossible for the College to order his diploma or place his name on the forthcoming Commencement program.

REQUIREMENTS FOR GRADUATION

A student is recommended for graduation upon the satisfactory completion of a minimum of 128 semester hours and upon fulfillment of all categories of the requirements for his degree. A minimum cumulative index of 2.00 (C) is required for graduation. Degree requirements are detailed under the heading of the subject field. See also "Summary of Requirements for the Baccalaureate Degree" at the beginning of Programs of Study.

TRANSCRIPTS

Requests for official transcripts are made by writing to the Director of Scheduling and Academic Records. West Chester graduates are not charged for their first transcript, but pay $1 each for subsequent transcripts. Checks, payable to the Commonwealth of Pennsylvania, must accompany all but the first request. Transcripts are official only when sent directly from the issuing institution to the authority requiring them.

TEACHING CERTIFICATES

Instructional I Certificate. A student who satisfactorily completes one of the College's teacher education curricula receives his degree from the College and qualifies for an Instructional I Certificate, which is issued to him by the Pennsylvania Department of Education.

In the elementary field this certificate qualifies the holder to teach in Pennsylvania's elementary schools for three years.

In the secondary field this certificate qualifies the holder to teach the specified subject in Pennsylvania's secondary schools for three years.

In health education, health and physical education, music education, foreign languages, and speech pathology and audiology, the certificate qualifies the holder to teach the specified subject in the public schools of Pennsylvania for three years.

Instructional II Certificate. This certificate requires three years of successful teaching in the public schools of Pennsylvania under the Instructional I Certificate and the satisfactory completion of 24 semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. This certificate is a permanent license to teach in Pennsylvania.

EXTENSION OF COLLEGE CERTIFICATES

1. A college certificate valid for a secondary field may be extended to include the elementary field by completing a program designed by the Department of Elementary Education.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by completing the College's field requirement for it and the related methods course.

3. A college certificate valid for a secondary field may be extended to include additional academic subjects by completing the College's field requirements for them.

PROGRAMS OF STUDY

Degree Requirements | Course Offerings

UNDERGRADUATE DEGREE PROGRAMS

Teacher Education

ELEMENTARY EDUCATION

SECONDARY EDUCATION
- Comprehensive English
- Foreign Languages
  - French, Russian, German, Spanish, Latin
- Sciences and Mathematics
  - Biology
  - Chemistry
  - Comprehensive Science
  - Earth and Space Science
  - Mathematics
  - Physics
- Social Sciences
  - Comprehensive Social Studies
  - Geography
  - History
  - Social Studies — Geography
  - Social Studies — Political Science
- Speech and Theatre

HEALTH AND PHYSICAL EDUCATION
- Health Education
- Health and Physical Education

MUSIC EDUCATION

SPECIAL EDUCATION
- Speech Pathology and Audiology

COOPERATIVE DEGREE PROGRAM
- Dental Hygienists

CERTIFICATION PROGRAMS
- Driver Education and Safe Living
- Environmental (Outdoor) Education
- Special Education
  - Teaching the Mentally Retarded
  - Teaching the Physically Handicapped

Arts and Sciences

ARTS AND LETTERS
- Art
- Foreign Languages
  - French, Russian, German, Spanish, Latin
- Literature
- Philosophy
- Speech Arts
- Theatre Arts

MUSIC
- B.A. Degree
- B.Mus. Degree

SOCIAL AND BEHAVIORAL SCIENCES
- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology-Anthropology
- Social Welfare

SCIENCES AND MATHEMATICS
- Biology
- Chemistry
- Mathematics
- Physics

BUSINESS ADMINISTRATION

NURSING

INTERDISCIPLINARY PROGRAM
- American Studies

REQUIREMENTS FOR THE BACCALAUREATE DEGREE

1. Satisfactory completion of a minimum of 128 semester hours, distributed as shown in the curriculum for the student's major field.
2. Achievement of a cumulative index of at least 2.00 (C) and an average of at least 2.00 (C) in the major field.
3. Attendance at West Chester State College for the last 30 semester hours of the degree program.
4. Fulfillment of any special requirements which are particular to a department or a School.
5. Fulfillment of all financial obligations to the College, including payment of the graduation fee; and of all other obligations, including the return of College properties.
6. Compliance with all academic requests from the Dean of Undergraduate Studies, including the request for Notice of Intention to Graduate.

QUALIFYING FOR THE TEACHING CERTIFICATE

Upon satisfying all of the baccalaureate degree requirements listed above, students in teacher education programs may qualify for the Instructional I Certificate, which will be issued by the Pennsylvania Department of Education. The specific applications of the Instructional I Certificate, according to the field or area of study, are detailed under "Teaching Certificates" in Academic Information.

GENERAL REQUIREMENTS OF THE COLLEGE FOR ALL CURRICULA

Certain basic studies (General Requirements) are common to all curricula. These studies are normally composed of courses in arts and letters, social sciences, and sciences-mathematics. The courses should be mutually agreeable to the curricular areas concerned. Freedom of choice for the student, with his adviser's approval, to elect substitutes to meet the normal requirements in each area is recommended. The student must consult with his academic adviser to determine the courses which will fulfill the General Requirements for his program.

In certain fields there are minor variations in the semester hours and subject fields required for the five general areas. For this reason the General Requirements pattern is shown specifically in the curriculum for the following fields:

Business Administration
Chemistry (B.S. only)
Elementary Education
Health Education
Health and Physical Education
Music (Bachelor of Music)
Music Education
Nursing

The General Requirements in all other curricula are governed by the following master pattern.

THE BASIC OUTLINE FOR GENERAL REQUIREMENTS

1 SKILLS AND COMPETENCIES: 12 or 18 s.h

a.	English Composition	6
b.	Speech	2
c.	Foreign Language	0-6

Proficiency in a foreign language through the intermediate (201-2) level is required for all B.A. programs and the B.S. in Education in English.

A student satisfies this requirement by passing the terminal semester either in course work, by examination for credit, or by independent study followed by an examination. If credit (3 s.h.) at the 202 level can be achieved by examination without prior course work, the student's foreign-language requirement will reduce to 3 s.h., and his semester hours of Free Electives (Point 5 below) will increase from 3 to 6.

Students who must begin at 101 accumulate 12 s.h. of foreign language. Their 101-2 credits will count as electives toward graduation, with the following exceptions:

> 101-2 credits do not count toward graduation requirements for the B.A. in English, Foreign Languages, or Music; nor for the B.S. in Education in English or Foreign Languages, unless they are 101-2 credits for a second language.

In most programs, any language may be selected. If there is a restriction, the acceptable languages are printed in the particular program outline.

d.	Physical Education	2
e.	Health	2

2 ARTS AND LETTERS: 15 s.h.

a.	Literature	6
b.	Art	3
c.	Music	3
d.	Philosophy	3

3 SOCIAL SCIENCES: 15 s.h.

a.	History	6
b.	Geography	3
c.	Psychology or Sociology	3
d.	Political Science or Economics	3

4 SCIENCES: 11 s.h.

a.	Science (with Lab)	8
b.	Mathematics	3

5 FREE ELECTIVES: 3 s.h.

Free Electives	3
TOTAL	**56 or 62**

ARRANGEMENT OF PROGRAMS

For the detailed requirements for each program, consult the appropriate School in the following pages. The Schools are alphabetically arranged, thus:

- School of Arts and Letters
- School of Education
- School of Health and Physical Education
- School of Music
- School of Sciences and Mathematics
- School of Social and Behavioral Sciences

Within each School, departments are presented in alphabetical order.

The Index will help the reader locate a particular department or field within a School.

INTERDISCIPLINARY PROGRAMS AND OFFERINGS

The College offers an interdisciplinary program in American Studies leading to the B.A. degree. Special studies of an interdisciplinary nature and a number of interdisciplinary course offerings in the humanities are also available. See Interdisciplinary Programs, following the School of Social and Behavioral Sciences.

Students may obtain a typical sequence of courses for any of the programs from the offices of the appropriate School or department.

All courses, and the sequences in which they are given, are subject to change.

School of Arts and Letters

John W. Clokey, *Dean*

Powell S. Thomas, *Associate Dean for Graduate Studies*

Department of Art
Department of English
Department of Foreign Languages
Department of Philosophy
Department of Speech and Theatre
Department of Speech Pathology and Audiology

BACHELOR OF ARTS

Art
Foreign Languages
Literature
Philosophy
Speech Arts
Theatre Arts

BACHELOR OF SCIENCE IN EDUCATION

Comprehensive English
Foreign Languages
Speech and Theatre
Speech Pathology and Audiology

All B.A. students in Arts and Letters note:

Throughout the School of Arts and Letters, all B.A. programs have one component in common: the Arts and Letters Core Requirement. Because this Core is standard for every B.A. program in the School of Arts and Letters, it is printed only once, in the following outline. The student will find reference to this outline at Part 2 of his department's B.A. program.

ARTS AND LETTERS CORE REQUIREMENTS | 15 SEMESTER HOURS

PART 2—B.A. PROGRAMS IN:

Art
Foreign Languages
Literature
Philosophy
Speech Arts
Theatre Arts

Select 15 s.h. from groups below, but no more than 6 s.h. from any one group. The following recommended courses from these areas are 3 s.h. except for music courses shown as 2 s.h.

(1) PHILOSOPHY

Lit 349	Phi 380	Phi 470	Phi 482
Phi 360	Phi 461	Phi 471	Phi 486
Phi 374	Phi 462	Phi 472	Phi 490

(2) HISTORY AND LITERATURE OF RHETORIC AND THE THEATRE

Lit 332	Lit 355	ThA 208	Sph 201
Lit 333	Lit 356	ThA 308	Sph 305
Lit 334	Lit 357	ThA 408	Sph 306

(3) MUSIC HISTORY AND LITERATURE

Part 1 (General Requirements) of the total curriculum requires 3 s.h. of music, usually met with Mus 121 (Fine Arts—Music) or Mus 122. If Mus 122 is chosen for Part 1, Mus 123 is the preferable Core choice. Or, with sufficient musical background, students may (under advisement) meet both their General and Core Requirements with the more technical pair, Mus 221-222 (Music in Western Civ. I–II).

Mus 122	Mus 323(2)	Mus 342(2)	Mus 345(2)
Mus 123	Mus 340(2)	Mus 343(2)	Mus 421(2)
Mus 322(2)	Mus 341(2)	Mus 344(2)	Mus 422(2)
			Mus 423(2)

(4) ART HISTORY

Art 381	Art 384	Art 403	Art 411
Art 382	Art 385	Art 405	Art 412
Art 383	Art 386	Art 407	Art 413

(5) LITERATURE

All English Department Lit 300-level courses, with the following exceptions: those listed for preceding Core categories and Lit 323, 324, 325, 326, 350, 353

Ita 301—Dante (taught in translation)

All literature electives in the foreign languages numbered in the 300's and 400's (French, German, Latin, Russian, Spanish)

DEPARTMENT OF ART

Mr. McKinney, Chairman

ASSOCIATE PROFESSORS		ASSISTANT PROFESSORS
	LASUCHIN	
	McKINNEY	
	RING	
HAWTHORNE	SIMMENDINGER	NEWMAN
HEMPHILL	STEIN	RARICK
HOBERG	WHITE	SERMAS
		SHAPIRO

In its undergraduate program the Department of Art provides the creative environment necessary to achieve professional competence through performance and intellectual excellence through general studies. The program for art majors is based upon a foundation in the history and practice of art. The major must be planned under advisement from the Department of Art faculty.

BACHELOR OF ARTS—Art

1. General Requirements See Page 45.	62 s.h.
2. Arts and Letters Core Requirements See Page 48.	15 s.h.
3. Art Concentration Requirements	36 s.h.

Fine Arts (Art) (Art 101)
(Credited to General Requirements)
Drawing I (Art 106)
Design I and II (Art 111-112)
Choose either A. Studio Art or B. Art History

A. Studio Art

18 s.h. to be taken in studio practice. 9 s.h. in art history. Courses to be selected under advisement of the Department of Art.

B. Art History

Art 381, 382, 383, 384, 385, 386, 403.
And an additional 6 s.h. of art history, elected from other art history offerings.

4. Electives	15 s.h.

COURSE OFFERINGS IN ART

Symbol: Art

101 Fine Arts (Art) (3)
A survey course in the fine arts stressing the cultural contributions of man past and present.

106 Drawing I (3)
An introduction to basic drawing dealing with space, form, and structure through still-life and figure study.

111 Design I: Color and Design (3)
A foundation course in the theory of color and design: problems in two–dimensional design.

112 Design II: Three-Dimensional Techniques (3)
Problems in techniques involving three-dimensional forms.

206 Drawing II: Anatomy and Life Drawing (3)
An investigation of the structure and form of the human figure as expressed in drawing.

211 Design III: Lettering and Layout (3)
Exploration of the design aspects of lettering and layout for communication.

212 Design IV: Experimental Design (3)
Problems in advanced design; the application of previous studies in design to specific projects.

216 Beginning Painting (3)
An introduction to the basic materials and techniques of the painter.

217 Intermediate Painting (3)
Advanced work with models, still life, landscape. Emphasis upon technique and composition.

221 Sculpture I: Subtractive Techniques (3)
Experience in designing three–dimensional forms in clay, wood, and stone using the subtractive method.

222 Sculpture II: Additive Techniques (3)
A basic exploration of additive techniques using metal, plastics, woods as well as assemblage. Structure and form are stressed.

226 Water Color I (3)
An introduction to the basic tools and techniques of the water–color painter. Emphasis upon transparent water color.

227 Water Color II (3)
Advanced problems in water color, gouache, tempera, and mixed media.

231 Ceramics I: Basic Techniques (3)
Introduction to the basic techniques of ceramics. Hand and wheel methods of construction; knowledge of clay bodies, firing, and glazing.

232 Ceramics II: Intermediate Techniques (3)
Fundamental methods of creating clay forms on the wheel. Experimentation with clay bodies, glazes, and the operation of the kiln. Design is stressed.

241 Graphics I: Introduction to Print–making (3)
An introduction to the medium of print–making; linoleum cuts, woodcuts, and monoprints.

242 Graphics II: Serigraphy
An exploration of the basic techniques of silk–screen printing. Emphasis upon color and design.

251 Art in the Elementary School I (3)
A workshop course providing the elementary school teacher with experience in a wide variety of media as well as curriculum construction and lesson planning.

252 Art in the Elementary School II (3)
Investigation of the creative growth of the child. Planning art lessons; visiting schools; discussions; assigned readings in art education.

256 Art in Elementary Education (3)
An intensive study of the role of art in elementary education with relation to student, teacher, and community. Emphasis on current trends in art education.

261 Arts and Crafts: Recreation (3)
The preparation of programs and materials for the teaching of arts and crafts in camps, playgrounds, clubs, and hospitals.

263 Crafts: Special Education (3)
Creative work in a variety of media adaptable for special–education classes. The use of art as therapy.

266 Crafts: Three-Dimensional Media for Elementary Education (3)
Exploration of a variety of media applicable to the teaching of arts and crafts in the elementary school.

306 Drawing III: Studio Problems (3)
Work in various drawing techniques through a program of specific and free problems.

307 Drawing: Independent Studies (3)
Individualized instruction in increasingly complex formal and expressive problems in drawing.

311 Design: Independent Studies (3)
Individualized instruction in design problems at an advanced level.

316 Advanced Painting (3)
Emphasis upon advanced problems in painting in a variety of techniques encouraging individual expression.

317 Painting: Studio Problems (3)
Concentration upon individual work and professional competence. Group critiques and discussions.

320 Painting: Independent Studies (3)
Individualized instruction. Preparation for senior show.

321 Sculpture III: Advanced Subtractive Techniques (3)
An advanced course demanding increased skills in the subtractive techniques.

322 Sculpture IV: Environmental Sculpture (3)
An opportunity to explore environmental and monumental sculpture with problems for individual solution and interpretation.

325 Sculpture: Independent Studies (3)
Individualized instruction in advanced sculpture. Preparation for senior show.

331 Ceramics III: Advanced Techniques (3)
An advanced course to develop craftsmanship and to explore clay as a means of individual expression.

332 Ceramics: Studio Problems (3)
Work at an advanced level in specialized ceramic techniques.

335 Ceramics: Independent Studies (3)
Individualized instruction as well as research and study in ceramic design.

341 Graphics III: Intaglio (3)
Introduction to intaglio techniques: etching, dry point, aquatint, and engraving.

342 Graphics IV: Lithography (3)
Fundamentals of stone and plate lithography with an emphasis upon technique and design.

345 Graphics: Independent Studies (3)
Individualized instruction in depth in a selected graphic medium. Preparation for the senior show.

346 Crafts: Jewelry (3)
The basic processes of jewelry making with emphasis upon creative design. Work in metals, copper, silver, gold.

347 Crafts: Weaving (3)
Basic techniques of weaving are explored, with emphasis upon fabric design and craftsmanship.

358 Curriculum Development in Art (3)
Organization and development of programs in art education. Emphasis on an understanding of art in the educational process.

359 Resources in Art Education (3)
An investigation of the resources for use in art education and their adaptability to the school program.

360 Function of the Museum in Art (3)
Role and function of the museum as an educational and cultural institution; its service to school and community.

381 Near Eastern Art: Ancient Antiquity (3)
The art and architecture of Ancient Egypt, Mesopotamia, Arabia, Syria, and Palestine from 3000–500 B.C.

382 Western Art I: Classical Antiquity (3)
The art and architecture of the Greeks, Etruscans, and Romans.

383 Western Art II: Middle Ages (3)
Gothic art and architecture and their development from Early Christian and Romanesque art.

384 Western Art III: Renaissance–Baroque (3)
Study of the art forms of the 15th through 17th century in Europe as they affect social and religious crosscurrents.

385 Western Art IV: Romanticism (3)
Analysis of the major period of Anti–Classicism and the development of Romantic sensibility.

386 Western Art V: Modern Art (3)
The development of modern art from the work of Cezanne, Van Gogh, and Gauguin through to the art of today.

401 Introduction to Aesthetics (3)
A study of the philosophies of art and beauty and their relationship to actual works of art. PREREQ: Art 382, 383, 384, 385.

402 Contemporary Aesthetics (3)
A search for the meaning behind contemporary art forms and the emergence of a new aesthetic. PREREQ: Art 386.

403 Primitive Art (3)
Analysis of primitive art as determined through ritual and myth. Focus includes ethnographic parallels to prehistory and the concept of primitivism in the West.

404 Afro-American Art (3)
Study of black ethnic development; adoption and adaptation of Western traditions. Emphasis on relation of art expression to alienation.

405 Russian Art (3)
A history of the art and architecture of Russia from medieval beginnings through social realism to socialist realism.

407 Oriental Art (3)
Critical survey of historic art forms, from the earliest beginnings, of all Asia, Near, Middle, and Far East.

411 Latin–American Art (3)
An analysis of the impact of Renaissance–Baroque forms and Counter–Reformation theology on native traditions and expressions in the new world.

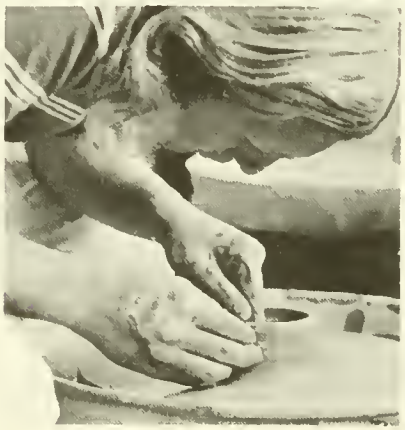
412 American Architecture (3)
A study of the style and structure of American architecture from the 17th century to the present.

413 American Art (3)
A survey of American painting and sculpture from Colonial times to the present.

414 Research and Methodology (3)
Introduction to basic research methods and the use of reference material relevant to the study of art history.

415 Art History: Independent Studies (3)
Provides an opportunity for the student to pursue a particular field of interest.

485 Roman–Greek Archaeology (3)
A study of the discovery, preservation, and analysis of Greek, Etruscan, and Roman archaeological finds.



DEPARTMENT OF ENGLISH

Dr. McKenty, Chairman

PROFESSORS

BAILEY
BERRY
CLOKEY
GARRETT
HAVILAND
HAYWARD
HENRY
JORDAN
KERSHNER
McKENTY
MARKOW
NEWMAN
OLDSEY
TAYLOR
THOMAS
WEISS
WEST

VISITING PROFESSOR

JAMES E. ANDREWS
CHEYNEY STATE COLLEGE

ASSOCIATE PROFESSORS

BERGER
BOSWORTH-FLING
BROOKS
BROWNE
BRUTON
CHIRICHELLA
CORR
FALGIE
FIELD
FORDYCE
GREEN
HUNSBERGER
KELLEHER
KELLY
LANDRUM
MILLER
PAGE
PRATER
SMITH, E.
SMITH, J.
WARD
WISE
ZIEGLER

ASSISTANT PROFESSORS

ANDERSON (PART-TIME)
BOYLAN
COMBS
FORD
GAUNT
HILL
McCAWLEY
McGRATH
MATHEWS
MYRSIADES
PEICH
POTEET
RIMEL
STEVENS
THURBON

INSTRUCTORS

L'HEUREUX (PART-TIME)
POVSE
ROW
WILEY (PART-TIME)

BACHELOR OF ARTS—Literature

The major in literature is a logical preparation for graduate studies, journalism, publishing, editing, public relations, advertising, specialized fields of business and industrial operations, and certain government careers. Competence in writing and familiarity with the literature of the Western world are foundations for leadership in many areas. The program should be planned with the adviser's help.

1. General Requirements — 62 s.h.
   See Page 45.

The required 6 hours of a foreign language must be through the intermediate (201-202) level. Credits accumulated at the elementary language level (101-102) do not count toward graduation requirements unless they are in a second language area.

2. Arts and Letters Core Requirements — 15 s.h.
   See Page 48.

3. Literature Concentration Requirements — 39 s.h.

English Composition I–II (Eng 101-102)
(101-102 credited to General Requirements)
General Literature I (Lit 221)
Continental Literature (Lit 225)
(221-225 credited to General Requirements)
Foreign Language (201-202)
(201-202 credited to General Requirements)
English Seminar (Lit 400 or 410)
(Not required of students who entered the program before September, 1971)

Electives to complete 39 s.h., chosen from any 300–level literature course except Lit 350 and Lit 353, and from any English course except Eng 212 through 218 and Eng 316. Hum 400 is acceptable.

4. Free Electives — 12 s.h.

B.S. IN EDUCATION—Comprehensive English

1. General Requirements — 62 s.h.
   See Page 45.

The required 6 hours of a foreign language must be through the intermediate (201-202) level. Credits accumulated at the elementary language level (101-102) do not count toward graduation requirements unless they are in a second language area.

2. Professional Education Requirements — 28 s.h.
   See Page 77.

3. Specialized Preparation and Electives — 36 s.h.

General Literature I (Lit 221)
Continental Literature (Lit 225)
(221-225 credited to General Requirements)
American Literature I–II (Lit 323-324)
English Literature I–II (Lit 325-326)
Introduction to Linguistics (Eng 201)
History of Language (Eng 314)
Modern English Grammar (Eng 315)
Teaching English in Secondary Schools (Eng 316)
(Credited to Professional Education)
Foreign Language (201-202)
(201-202 credited to General Requirements)

English Seminar (Lit 400 or 410)
(Not required of students who entered the program before September, 1971)
Electives to complete 36 s.h., chosen from any 300–level literature courses except Lit 350 and from any English courses. Hum 400 is acceptable.

4. Free Electives	2 s.h.

COURSE OFFERINGS IN ENGLISH AND LITERATURE

ENGLISH
Symbol: Eng

000 English Composition (No credit)
Remedial English.

101 English Composition I (3)
Review of grammar and mechanics. Introduction to styles of writing. Composition, outside reading, use of the library.

102 English Composition II (3)
A continuation of methods of composition: exposition, narration, argumentation, description. Techniques of research paper. PREREQ: Eng 101.

201 (also Lin 201) Introduction to Linguistics (3)
Basic concepts of language description, classification, change, reconstruction, dialectology, and sociolinguistics.

Eng 201 is a prerequisite for all courses in English Language.

211 Mass Media in Society (3)
Introduction to theory and problems of mass media; their role in American culture.

212–213 Principles of Newspaper Production I–II (2) (2)
A workshop course in newspaper production through lectures and work on the student newspaper.

214–215 Principles of Yearbook Production I–II (2) (2)
All phases of yearbook planning, writing, editing, production, and financing. Theory and practice for yearbook staff members and potential yearbook advisers.

216 News Reporting (2)
Principles of news reporting and practice in gathering and writing news for all media. Research, writing, and the interview.

217 Feature Writing (2)
Features in newspapers and magazines. Developing ideas, gathering material, and writing feature articles. Marketing methods for the freelancer.

218 History of American Journalism (3)
History and development of newspapers, magazines, documentary films, radio, and television.

230 Communication (3)
The nature of the communication function, especially within organizations. Theoretical basis and practical application. Required of business administration majors.

303 English Phonology (3)
Phonemics and morphophonemics of English. Phonotactics and syllabification. Writing systems and phonemic–graphemic relationship in English. Historical development of English sounds. PREREQ: Eng 201.

306 Teaching English as a Second Language (3)
Implications of the nature of language in teaching English to non-native speakers. Development of oral and written exercises, reading programs, tests. Organization and selection of materials. PREREQ: Eng 201.

309 Standard and Nonstandard Varieties of English (3)
Linguistic interferences in second-language and second-dialect learning situations, with emphasis on the contrastive analysis of standard and nonstandard varieties of English. PREREQ: Eng 201.

313 Advanced Writing (3)
Frequent practice in expository, descriptive, narrative, and argumentative techniques. Emphasis on style. Writing criticized and corrected in private sessions.

314 History of the English Language (3)
Review of the influences on the development of the English language. PREREQ: Eng 201.

315 Modern English Grammar (3)
The traditional, structural, and transformational approaches to the study of modern English grammar. PREREQ: Eng 201.

316 Teaching English in Secondary Schools (3)
Review of language-arts requirements in secondary schools. Special reference to grade-placement with adaptation of materials, appraisal of results, and development of programs of study. PREREQ: Eng 314, 315.

317 Old English Language and Literature (3)
An introductory study of the language (450–1150 A.D.) through a reading of religious and secular poetry and prose. PREREQ: Eng 314.

318 Middle English Language and Literature (3)
An introductory study of the language (1150–1450 A.D.) through a reading of selected literary texts (exclusive of Chaucer). PREREQ: Eng 314.

319 American English (3)
Development of the English language in America since Colonial settlement. American and British English. Pronunciation, vocabulary, and grammatical features of the regional and social dialects of American English. PREREQ: Eng 201.

321 Creative Writing (3)
Writing experience in the crafts of fiction, poetry, and drama.

323 Poetry Workshop (3)
The theory and practice of poetry; exploration of verse forms, prosody, metrics; practice in critical and interpretive analysis of poems written by fellow students and professional poets. The poem as a product of skilled craftsmanship.

325 Drama Workshop (3)
Writing the play; possibilities and limitations of the stage. Attention to sets and costuming where relevant. Characterization by action and dialogue. Problems of establishing motivation. The play's totality in theme, character, and action. Informal readings of students' works.

327 Short Story Workshop (3)
Crafting the modern short story with reference to American and British models. The weight of setting, atmosphere, characterization, and theme. Compression and the simultaneity of techniques in the well-made story. Discussion and some exploitation of experimental ideas in the genre.

331 Essay Workshop (3)
Practice in writing the essay. Conventions and techniques of this literary form as it appears in commercial and quality magazines.

405 Senior Writing Seminar (3)
Discussion and development of major projects underway.

406 Independent Study (3)
Students of unusual promise work with individual instructors.

LITERATURE
Symbol: Lit

221 General Literature I (3)
Western literature from Homer through Shakespeare.

222 General Literature II (3)
Western literature from Shakespeare to the present. PREREQ: Lit 221.

223 Great British Writers, Post Renaissance (3)
Major British writers from Milton to the present.

224 Great American Writers (3)
Major American writers from Franklin and Poe to Faulkner and Hemingway.

225 Continental Literature (3)
Literature of Continental Europe from Neoclassicism to the present. PREREQ: Lit 221.

226 Fiction (3)
An analytical reading of various fictional forms and methods employed in the short story, novella, and novel.

227 Drama (3)
An introduction to drama, extending from the classical Greek tragedy to the theater of the absurd.

228 Poetry (3)
Analytical readings within a broad spectrum of English and American poetry from Chaucer to the present.

321 Great Books I (3)
A study of six selected writings significant to the development of Western Civilization. Designed for students of all curricula; counted as Core selection for Arts and Letters students.

322 Great Books II (3)
A continuation of the study of the progress of Man in the world, using six additional masterworks. Designed for students of all curricula; counted as Core selection for Arts and Letters students.

323 American Literature I (3)
A survey of representative American writings from Colonial times to 1860. Emphasis on democratic ideals and national character.

324 American Literature II (3)
A survey of representative American writings from 1860 to the present.

325 English Literature I (3)
A survey of English literature from Anglo-Saxon writing to Robert Burns.

326 English Literature II (3)
A survey of English literature from Robert Burns to the present.

328 Milton (3)
A survey of the major poetry and prose works.

331 Chaucer (3)
"Canterbury Tales" and "Troilus and Criseyde"; literary interpretation.

332 English Drama to 1642 (3)
English drama from the early liturgical tropes to 1642, exclusive of Shakespeare.

333 Shakespeare I (3)
Selected comedies, histories, and tragedies. Literary and historical background and Shakespeare's development as a dramatist.

334 Shakespeare II (3)
A continuation of Lit 333.

335 Restoration and 18th Century Literature (3)
A critical consideration of 18th century writers, exclusive of the dramatists. The struggle between tradition and revolt.

336 The Romantic Movement (3)
Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and critical doctrine.

337 Victorian Literature (3)
Victorian thought and culture in selections of non-fiction prose and poetry.

338 Modern Irish Literature (3)
Major literary works of Ireland from 1840 to the present. Moore, Synge, Yeats, Joyce, Shaw, and O'Casey.

339 The Classical Tradition (3)
The growth and development of classical literature. Focus is on the epic, the tragedy, the comedy, the romance, lyric poetry, and literary criticism as constituent parts of the classical tradition.

340 Minority Cultures in American Literature (3)
American ethnic, racial, and national groups in American literature and the contributions of creative literary artists representing these cultures.

341 Afro-American Literature I (3)
Survey of Afro-American authors from the ante-bellum era through the first quarter of the 20th century.

342 Afro-American Literature II (3)
Continuation of Lit 341. Second quarter of the 20th century to the present.

344 Literary Form and Content since World War II (3)
Trends in American and English literature since the close of World War II. The anti-novel, anti-play, pseudo-play, current Theater of the Absurd, current Existentialist literature, neo-novella, theater-piece, happening, and other non-oeuvres.

345 Criticism (3)
Theories and values of major critics of the Classical Period and of England and the United States.

346 The Film as a Literary Genre (3)
The film as a composite form, treated developmentally through scripts and completed films with consideration of its relationship to literature.

347 Literature of Biography (3)
Historical development of biographical writing. Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard contemporary biographers.

348 Short Story (3)
The short story as an aesthetic literary form.

349 Bible as Literature (3)
Books of the English Bible, especially the King James Version, as a part of English and American literature.

350 Children's Literature (3)
A critical study of literature for children, setting standards for evaluation and appreciation.

353 Reading Interests of Secondary School Students (3)
A service source. Interests and reading growth of junior and senior high school students.

354 Restoration and 18th Century Drama (3)
The drama from the reopening of the theaters in 1660 to 1800.

355 Modern British Drama (3)
British drama from Wilde to the present, with emphasis on the rebirth of the British drama and its major writers.

356 Modern Continental Drama (3)
A consideration of the chief writers who influenced the modern drama: Ibsen, Strindberg, Chekhov, Hauptmann, Pirandello, Sartre, Brecht, and Ionesco.

357 Modern American Drama (3)
American drama from the early 1900's to the present, with emphasis on the development of the American theater as seen in such major dramatists as O'Neill, Odets, Wilder, Miller, Williams, and Albee.

360 Tudor Literature (3)
Prose and poetry of the Tudor period. More to Spenser.

361 Stuart Literature (3)
Prose and poetry of the Stuart period. Jonson and Donne to Dryden.

370 18th Century British Novel (3)
The British novel from Defoe to Austen.

371 19th Century British Novel (3)
The British novel from Austen to Hardy.

372 Development of the American Novel (3)
Beginnings of the American novel to Frank Norris.

373 Modern British Novel (3)
The novel in England from Conrad to the present.

374 Modern American Novel (3)
The novel in America from Dreiser to the present.

375 Modern Continental Fiction (3)
Important modern European writers in translation: Flaubert, Dostoevski, Unamuno, Gide, Mann, Kafka, Camus, Sartre, Moravia. Their aesthetic and philosophical contributions to modern fiction.

376 Literature and Myth (3)
Traditional, anthropological, and psychoanalytic interpretations of myth in literature.

380 Modern Poetry I (3)
Major 20th century American poets.

381 Modern Poetry II (3)
Major 20th century British poets.

385 Colonial and Revolutionary American Literature (3)
Writers of Colonial and Revolutionary America.

400 English Seminar (3)
Topics announced annually. For English majors in the junior or senior year. Either Lit 400 or Lit 410 is required of English majors. They may elect to take the alternate seminar as well.

410 English Seminar (3)
See Lit 400.

For Humanities courses see Interdisciplinary Programs.

DEPARTMENT OF FOREIGN LANGUAGES

Dr. Roberts, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
FRIEMAN		
GUTWIRTH	ESCORCIA	EISENSTADT
NUNEZ	GLUMAC	GEORGIOU (PART-TIME)
PFUND (PART-TIME)	GOUGHER	GREENE
ROBERTS	KUHLMANN	KULHANEK
SMITH	KULASKI	LIPSCOMB
	LOMBARDI	PETERS (PART-TIME)
	PUERTA	REISS (PART-TIME)
	SCHNEIDER	
		INSTRUCTORS
		BROWN
		PETIT

BACHELOR OF ARTS—Foreign Languages

French Russian
German Spanish
Latin

The program in foreign languages is intended as a preparation for careers involving the use of bilingual skills in government, business and industry, export-import companies, travel agencies, publishing houses, and social work. It is also intended as a preparation for graduate studies leading to advanced degrees. The major should be planned with the help of the faculty adviser.

1. General Requirements — 62 s.h.
See Page 45.

2. Arts and Letters Core Requirements — 15 s.h.
See Page 48.

3. Foreign Language Concentration Requirements — 39 s.h.
Shown below, under heading of each language.

4. Free Electives — 12 s.h.
Introduction to Linguistics (Lin 201) is strongly recom-

mended. Courses in music, literature, art, or the social sciences will be suggested in the light of the student's particular interests.

French—Concentration Requirements (39 s.h.)

Elementary French I-II (Fre 101-102)*
Intermediate French I-II (Fre 201-202)
(201-202 credited to General Requirements)
Advanced French Grammar and Composition I-II (Fre 203-204)
French Civilization I-II (Fre 205-206)
Advanced Oral French (Fre 207)
Additional courses to complete the 39 hours are to be selected, under advisement, from French offerings and/or related fields.

German—Concentration Requirements (39 s.h.)

Elementary German I-II (Ger 101-102)*
Intermediate German I-II (Ger 201-202)
(201-202 credited to General Requirements)
Advanced German Grammar and Composition (Ger 203)
Advanced Oral German (Ger 204)
Survey of German Literature I-II (Ger 205-206)
Additional courses to complete the 39 hours are to be selected, under advisement, from German offerings and/or related fields.

Latin—Concentration Requirements (39 s.h.)

Elementary Latin I-II (101-102)*
Cicero (Lat 201)
Vergil (Lat 202)
(201-202 credited to General Requirements)
Advanced Latin Prose Composition (Lat 303)
Additional courses to complete the 39 hours are to be selected, under advisement, from Latin offerings and/or related fields.

Russian—Concentration Requirements (39 s.h.)

Elementary Russian I-II (Rus 101-102)*
Intermediate Russian I-II (Rus 201-202)
(201-202 credited to General Requirements)
Advanced Russian Grammar and Composition (Rus 203)
Advanced Oral Russian (Rus 204)
Advanced Readings in Russian Literature I-II (Rus 205-206)
Russian Civilization I-II (Rus 305-306)
Additional courses to complete the 39 hours are to be selected, under advisement, from Russian offerings and/or related fields.

Spanish—Concentration Requirements (39 s.h.)

Elementary Spanish I-II (Spa 101-102)*
Intermediate Spanish I-II (Spa 201-202)
(201-202 credited to General Requirements)
Advanced Spanish Grammar (Spa 203) or
Advanced Spanish Composition (Spa 204)
Advanced Oral Spanish (Spa 205)
Two of the following: Spa 305-306-307-308-309
Additional courses to complete the 39 hours are to be selected, under advisement, from Spanish offerings and/or related fields.

B.S. IN EDUCATION—Foreign Languages

French Russian
German Spanish
Latin

The Instructional I Certificate in a foreign language qualifies the holder to teach his major language in the public schools (kindergarten thru 12th grade) of Pennsylvania.

All Bachelor of Science majors in modern foreign languages are strongly urged to spend some part of their college career in study abroad.

1.	General Requirements See Page 45.	56 s.h.
2.	Professional Education Requirements See Page 77.	28 s.h.
3.	Specialized Preparation Shown below, under heading of each language	30 s.h.
4.	Electives	14 s.h.

French—Specialized Preparation (30 s.h.)

Elementary French I-II (Fre 101-102)*
Intermediate French I-II (Fre 201-202)
Advanced French Grammar and Composition I-II (Fre 203-204)
French Civilization I-II (Fre 205-206)
Advanced Oral French (Fre 207)
Introduction to Linguistics (Lin 201)

---

* Foreign language majors receive no credit toward graduation for 101 and 102 in their major. If 101 and/or 102 in another language are taken as free electives, they will credit toward graduation.

Teaching of Modern Languages (Lan 301)
(Credited to Professional Education)
Additional courses to complete the 30 hours must be selected from French offerings.

German—Specialized Preparation (30 s.h.)

Elementary German I-II (Ger 101-102)*
Intermediate German I-II (Ger 201-202)
Advanced German Grammar and Composition (Ger 203)
Advanced Oral German (Ger 204)
Survey of German Literature I-II (Ger 205-206)
Introduction to Linguistics (Lin 201)
Teaching of Modern Languages (Lan 301)
(Credited to Professional Education)
Additional courses to complete the 30 hours must be selected from German offerings.

Latin—Specialized Preparation (30 s.h.)

Elementary Latin I-II (Lat 101-102)*
Cicero (Lat 201)
Vergil (Lat 202)
Introduction to Linguistics (Lin 201)
Teaching of Latin (Lat 301)
(Credited to Professional Education)
Advanced Latin Prose Composition (Lat 303)
Additional courses to complete the 30 hours must be selected from Latin offerings.

Russian—Specialized Preparation (30 s.h.)

Elementary Russian I-II (Rus 101-102)*
Intermediate Russian I-II (Rus 201-202)
Advanced Russian Grammar and Composition (Rus 203)
Advanced Oral Russian (Rus 204)
Advanced Readings in Russian Literature I-II
(Rus 205-206)
Russian Civilization I-II (Rus 305-306)
Introduction to Linguistics (Lin 201)
Teaching of Modern Languages (Lan 301)
(Credited to Professional Education)
Additional courses to complete the 30 hours must be selected from Russian offerings.

Spanish—Specialized Preparation (30 s.h.)

Elementary Spanish I-II (Spa 101-102)*
Intermediate Spanish I-II (Spa 201-202)
Advanced Spanish Grammar (Spa 203)
Advanced Spanish Composition (Spa 204)
Advanced Oral Spanish (Spa 205)
Introduction to Linguistics (Lin 201)
Teaching of Modern Languages (Lan 301)
(Credited to Professional Education)
Two of the following: Spa 305-306-307-308-309
Additional courses to complete the 30 hours must be selected from Spanish offerings.

GREEK AND ITALIAN

The following courses in Greek and Italian are offered, but no major or minor field is available.

GREEK

Elementary Greek I-II (Gre 101-102) and
Intermediate Greek I-II (Gre 201-202)

ITALIAN

Elementary Italian I-II (Ita 101-102), Intermediate Italian I-II (Ita 201-202), Introduction to Dante (Ita 301), and High Points in Italian Literature (Ita 302).

THE JUNIOR YEAR ABROAD PROGRAM

The following courses in French are offered at the University of Montpellier, France, under the Junior Year Abroad Program sponsored by West Chester State College. The program is designed for prospective teachers of French in order to give them a firsthand acquaintance with French life and enable them to achieve a native command of the language.

The program is open to any student enrolled in a Pennsylvania college or university who has completed the equivalent of two years of college French and is able to take lectures in French. During the time the student is enrolled in the program, he is a student of West Chester State College and will receive a minimum of 30 credits for a full two semesters of college work after successful completion of the year-abroad program of studies. Each course runs for two semesters and is conducted entirely in French by French professors.

COURSE OFFERINGS

Advanced Grammar and Composition (Fre 361–62)
Advanced French Conversation (Fre 363–64)
Phonetics and Translation (Fre 365–66)
Contemporary French Civilization (Fre 367–68)
Literary Studies (Fre 369–70)

* Foreign language majors receive no credit toward graduation for 101 and 102 in their major. If 101 and/or 102 in another language are taken as free electives, they will credit toward graduation.

COURSE OFFERINGS IN FOREIGN LANGUAGES

Symbol: Fre

101–102 Elementary French I–II (3) (3)
Fundamentals of French grammar, syntax, and pronunciation. Introduction to French culture through easy reading texts. The audio-lingual method is employed at all times. Work in the language laboratory required.

201–202 Intermediate French I–II (3) (3)
Intensive review of grammar and syntax. Readings in French literature as a basis for class discussion in French and practice in composition. Language laboratory drill for remedial work only. PREREQ: Fre 102 or equivalent.

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

203–204 Advanced French Grammar and Composition I–II (3) (3)
The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. PREREQ: Fre 202 or equivalent.

205–206 French Civilization I–II (3) (3)
France's political and educational systems, her economic and religious institutions, and her folkways. The arts in France today. PREREQ: Fre 201 or equivalent.

207 Advanced Oral French (3)
Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. PREREQ: Fre 203 or equivalent.

305 19th Century French Novel (3)
Development of the French novel from the pre-Romantic period through the Naturalistic writers.

306 20th Century Novel (3)
The French novel of this century, from Proust and Gide to the "roman nouveau."

401 French Literature of the 18th Century (3)
The "philosophes" of the 18th century, emphasizing the works of Voltaire, Rousseau, Montesquieu, and Diderot. PREREQ: Fre 206.

402 French Lyric Poetry (3)
Development of French lyric forms; French versification; study of selected poets, using "explication de textes."

403 French Literature of the 17th Century (3)
17th century prose; lyric and narrative poetry; the concept of classicism.

404 French Classical Drama (3)
Corneille, Racine, and Moliere.
PREREQ: Fre 205.

405 French Literature of the Middle Ages and Renaissance (3)
A survey of selected readings in Modern French translation from Old French literature and from such major figures as Villon, Rabelais, the Pleiade poets, and Montaigne.

406 Modern French Theater (3)
A study of 20th century theatrical forms, extending from the end of World War I to the present.

410 Seminar in French (3)
Independent study and research for Upper Division students. Topics announced annually by the French faculty. PREREQ: permission of instructor.

411 Seminar in French (3)
Independent study and research for Upper Division students. Topics announced annually by the French faculty. Fre 410 is not prerequisite; a student may take Fre 410 or 411 or both. PREREQ: permission of instructor.

412 Independent Studies in French Language and Literature (3)
Special topics for advanced students only. Admission by permission of instructor.

FRENCH JUNIOR YEAR ABROAD PROGRAM

361–62 Advanced Grammar and Composition (6)
363–64 Advanced French Conversation (6)
365–66 Phonetics and Translation (6)
367–68 Contemporary French Civilization (6)
369–70 Literary Studies (6)

GERMAN

Symbol: Ger

101–102 Elementary German I–II (3) (3)
Fundamentals of German grammar, syntax, and pronunciation. Introduction to German culture through easy reading texts. The audio-lingual method is employed, and language laboratory drill is required.

201–202 Intermediate German I–II (3) (3)
Review of grammar and syntax. Readings in German literature as a basis for class discussion in German and

practice in composition. Language laboratory drill required for remedial work only. PREREQ: Ger 102 or equivalent.

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

203 Advanced German Grammar and Composition (3)
The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. PREREQ: Ger 202 or equivalent.

204 Advanced Oral German (3)
Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. PREREQ: Ger 203 or equivalent.

205 Survey of German Literature I (3)
German literature from its earliest beginnings to 1800. PREREQ: Ger 202 or equivalent.

206 Survey of German Literature II (3)
German literature from 1800 to the present. PREREQ: Ger 202 or equivalent.

305 German Civilization (3)
The evolution of Germany's social, political, and economic institutions. An analysis of the major contributions of German civilization to Western culture. PREREQ: Ger 202 or equivalent.

401 The Age of Goethe (3)
German literary doctrines and masterpieces of the periods of Enlightenment, Storm and Stress, and Classicism. PREREQ: Ger 202 or equivalent.

402 Contemporary German Literature (3)
Works of the principal German writers of the 20th century. PREREQ: Ger 202 or equivalent.

403 The German Short Story (3)
The German short story from Romanticism to the present. PREREQ: Ger 202 or equivalent.

404 Goethe (3)
Important works of Goethe; his background and literary development. PREREQ: Ger 205.

405 Scientific German (3)
Review of syntax, readings, and translation in general science and basic technical fields. PREREQ: Ger 102 or equivalent.

406 German Literature of the 19th Century (3)
German Realism of the 19th Century. PREREQ: Ger 206 or equivalent.

407 German Lyric Poetry (3)
Modern German poetry of pre and post World War II. PREREQ: Ger 206 or equivalent.

408 Modern German Drama (3)
Major dramatists of the 20th Century. PREREQ: Ger 206 or equivalent.

409 German Literature of the Romantic Period (3)
PREREQ: Ger 206 or equivalent.

410 Seminar in German (3)
Independent study and research for Upper Division students. Topics announced annually by the German faculty. PREREQ: permission of instructor.

411 Seminar in German (3)
Independent study and research for Upper Division students. Topic announced annually by the German faculty. Ger 410 is not prerequisite; a student may take Ger 410 or 411 or both. PREREQ: permission of instructor.

412 Independent Studies in German Language and Literature (3)
Special topics for advanced students only; admission by permission of instructor.

GREEK

Symbol: Gre

101 Elementary Greek I (3)
For students who have had no previous Greek. Forms, syntax, and idioms of Homeric Greek.

102 Elementary Greek II (3)
A continuation of Gre 101. Reading of Homer's "Iliad," Book I, followed by an introduction to Attic Greek. Records and tapes in Greek to supplement class work.

201 Intermediate Greek I (3)
Review of Attic grammar and readings in Attic authors. Introduction to the "koine" and readings in New Testament Greek. PREREQ: Gre 102.

202 Intermediate Greek II (3)
Introduction to Greek Tragedy. Sophocles' "Antigone" and Euripides' "Medea" are read and analyzed. PREREQ: Gre 201.

ITALIAN

Symbol: Ita

101–102 Elementary Italian I–II (3) (3)
Intensive drill, both in class and the language laboratory, with pronunciation, intonation, and basic linguistic patterns. Introduction to Italian culture through basic dialogues and easy reading texts.

201–202 Intermediate Italian I–II (3) (3)
Review of Italian grammar and syntax. Introduction to Italian literature through short readings of intermediate difficulty. Composition and conversation in Italian based on reading assignments. Language laboratory for remedial drill. PREREQ: Ita 102 or equivalent.

301 Introduction to Dante (3)
This course is taught in English and designed for those desirous of further study in Italian literature, as well as students in related fields: Romance languages, English literature, and other areas.

302 High Points in Italian Literature (3)
The most important Italian writers from the Renaissance to the present day, with emphasis on the modern period.

LATIN

Symbol: Lat

101–102 Elementary Latin I–II (3) (3)
Forms, syntax, and idioms of classical Latin. Selected readings.

201 Cicero (3)
Selections from the orations, letters, and essays. PREREQ: Lat 101, 102, or two years of secondary school Latin.

202 Vergil (3)
Reading and analysis of celebrated portions of the "Aeneid." The nature of Latin epic poetry. PREREQ: Lat 201 or three years of secondary school Latin.

Note: Lat 202 or four years of secondary school Latin is prerequisite to all following courses in Latin.

301 Teaching of Latin (3)
Introduction to the problems, methods, and materials in the teaching of Latin.

302 The Latin Lyric Poets (3)
Latin lyric poetry through readings in Catullus and the Odes and Epodes of Horace. Practice in the composition of lyric poetry.

303 Advanced Latin Prose Composition (3)
Required of Latin majors; open to other students accepted by the instructor. The complex syntactical structures of Latin and of classical style. Translations of English prose into classical Latin.

304 The Latin Elegiac Poets (3)
Latin elegiac poetry through readings, in Ovid, Tibullus, Lygdamas, Sulpicia, and Propertius. Practice in the composition of the elegiac poetry.

305 Reading Course in Latin (3)
Open to Latin majors only. Area and content to be determined by student's needs.

306 Roman Historians (3)
Introduction to Roman historiography. Readings in Livy, Sallust, and Tacitus.

401 Roman Drama (3)
Origins and development of Roman drama. Selected plays of Plautus, Terence, and Seneca.

402 Roman Philosophy (3)
Introduction to Greek and Roman philosophy. Readings in Cicero, "Tusculan Disputations," and Lucretius, "De Rerum Natura."

403 Roman Satire (3)
Origins and development of Roman satire. Readings in Horace, Persius, and Juvenal.

404 The Latin Novel (3)
Readings in Petronius, "Satyricon," and Apuleius, "The Golden Ass." Lectures and discussions of the emergence of the novel as a literary form.

405 Medieval Latin (3)
Prose and poetry from the 4th to the 17th centuries.

406 Latin Tutorial Course (3)
Required of majors in Latin or Classics; open to other students accepted by the instructor. Introduction to the history of the alphabet; principles of historical and comparative linguistics, especially as applied to Greek and Latin; and history of the Latin language as seen in ancient authors and inscriptions.

RUSSIAN

Symbol: Rus

101–102 Elementary Russian I–II (3) (3)
Fundamentals of Russian grammar, syntax, and pronunciation. Extensive drill in the language laboratory required.

201–202 Intermediate Russian I–II (3) (3)
Grammar review with readings in Russian literature as a basis for class discussion in Russian and practice in composition. Language laboratory drill recommended for those needing further work in pronunciation and intonation. PREREQ: Rus 102.

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

203 Advanced Russian Grammar and Composition (3)
The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on correct usage. PREREQ: Rus 202 or equivalent.

204 Advanced Oral Russian (3)
Intensive drill in the oral use of the language to develop proficiency in listening comprehension and speaking. PREREQ: Rus 203 or equivalent.

205-206 Advanced Readings in Russian Literature I-II (3) (3)
Works of Pushkin, Lermontov, Turgenev, and Gorki are read and analyzed. PREREQ: Rus 202 or equivalent.

303–304 Scientific Russian I–II (3) (3)
Review of syntax; reading and translation in general science and basic technical fields. PREREQ: Rus 202 or equivalent.

305–306 Russian Civilization I–II (3) (3)
A study of the cultural, philosophical, religious, and artistic contributions of Russia. PREREQ: Rus 202 or equivalent.

401 The Russian Novel (3)
The Russian novel and literary trends of the 19th and 20th centuries. PREREQ: Rus 205 or equivalent.

402 The Russian Drama (3)
Works of the maior Russian dramatists of the 19th and 20th centuries. PREREQ: Rus 205 or equivalent.

403 Russian Poetry of the 20th Century (3)
A study of the principal Russian poets of the 20th century. PREREQ: Rus 205 or equivalent.

410 Seminar in Russian (3)
Independent study and research for Upper Division students. Topics announced annually by the Russian faculty. PREREQ: permission of instructor.

411 Seminar in Russian (3)
Independent study and research for Upper Division students. Topics announced annually by the Russian faculty. Rus 410 is not prerequisite. A student may take Rus 410 or 411 or both. PREREQ: permission of instructor.

412 Independent Studies in Russian Language and Literature (3)
Special topics for advanced students only; admission by permission of instructor.

SPANISH

Symbol: Spa

101–102 Elementary Spanish I–II (3) (3)
Fundamentals of Spanish grammar, syntax, and pronunciation from the oral-aural point of view. Introduction to Spanish culture through easy reading texts.

201–202 Intermediate Spanish I-II (3) (3)
Review of Spanish grammar and syntax. Readings in Spanish literature as a basis for class discussion in Spanish and practice in composition. Language laboratory drill recommended for remedial work where needed. PREREQ: Spa 102 or equivalent.

Note: All advanced literature and civilization courses include lectures and discussion in the foreign language, and all student papers and examinations must be written in the foreign language.

203 Advanced Spanish Grammar (3)
Review and mastery of Spanish grammar with emphasis on common grammatical problems, syntactic structures, and idiomatic expression. PREREQ: Spa 202 or equivalent.

204 Advanced Spanish Composition (3)
Written expression in Spanish on a more advanced level. Special attention to stylistics. An application of Spa 203. PREREQ: Spa 203.

205 Advanced Oral Spanish (3)
Intensive drill in oral usage of the Spanish language to develop proficiency in listening comprehension and speaking. PREREQ: Spa 203 or equivalent.

305 Spanish Medieval Literature (3)
Spanish literature from its earliest beginning to the end of the 14th century. PREREQ: Spa 203 or equivalent.

306—Spanish Literature of the Renaissance (3)
Spanish literature from the Celestina through the 17th century. Emphasis on the Golden Age. PREREQ: Spa 203 or equivalent.

307 Spanish Literature of the 18th and 19th Centuries (3)
Spanish literature from the beginning of the 18th century to the end of the 19th, excluding the Generation of 1898. PREREQ: Spa 203 or equivalent.

308 Spanish Literature of the 20th Century (3)
The literature and thought of this century in Spanish letters. PREREQ: Spa 203 or equivalent.

309 Spanish American Literature (3)
Spanish American literature through major authors and works. Perspective on the different literatures. PREREQ: Spa 203 or equivalent.

320 Civilization of Spain (3)
Major contributions of Spain. Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic world. PREREQ: Spa 202 or equivalent.

321 Civilization of Spanish America (3)
Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic American World. PREREQ: Spa 202 or equivalent.

401 Spanish "Comedia" of the Golden Age (3)
Spanish National Theater. Themes and traditions in the "Comedia." PREREQ: Spa 306 or equivalent.

402 Cervantes (3)
Study of "Don Quijote." Cervantes' contribution to literature. An insight into his works. PREREQ: Spa 306 or equivalent.

403 Spanish Lyric Poetry (3)
Analysis of Spanish poetic expression and poetic form. Reading of the main lyric poets of Spanish literature. PREREQ: Spa 305 or 306 or 307 or 308 or equivalent.

404 The Picaresque Novel (3)
The picaresque tradition in Spain. The literary "picaro." The contributions of Spain to other literatures. PREREQ: Spa 306 or equivalent.

405 Modern Spanish Theater (3)
Contemporary Spanish theater from the late 19th century to the present. PREREQ: Spa 307 or 308 or equivalent.

406 The Generation of 1898 (3)
An evaluation of the Generation of 1898; its role in the literature, history, and philosophy of Spain. PREREQ: Spa 307 or 308 or equivalent.

410 Seminar in Spanish (3)
Independent study and research for Upper Division students. Topics announced annually by the Spanish faculty. PREREQ: permission of instructor.

411 Seminar in Spanish (3)
Independent study and research for Upper Division students. Topics announced annually by the Spanish faculty. Spa 410 is not prerequisite. A student may take Spa 410 or 411 or both. PREREQ: permission of instructor.

412 Independent Studies in Spanish Language and Literature (3)
Special topics for advanced students only; admission by permission of instructor.

COURSES COMMON TO ALL LANGUAGES

Lan 301 Teaching of Modern Languages (3)
Problems, methods, and materials of the teaching of modern languages. Observation of foreign language classes in session. PREREQ: completion of required courses in the major.

Lan 303 Second Languages in the Elementary School (3)
Techniques and materials used in teaching second languages in the elementary school. Practice in the application of these techniques and observation of foreign-language classes in the Laboratory School. PREREQ: completion of intermediate level in the chosen foreign language.

Lin 201 [also Eng 201] Introduction to Linguistics (3)
See Eng 201.

Lin 360 [also Phi 360] Philosophy of Language (3)
See Phi 360.

Lin 380 Language and Culture (3)
Language as an aspect of culture; linguistic-perceptual-cognitive categories; social and psychological aspects of language. PREREQ: Lin 201 or permission of instructor.

DEPARTMENT OF PHILOSOPHY

Dr. Claghorn, Chairman

PROFESSORS	ASSOCIATE PROFESSOR	ASSISTANT PROFESSORS
CLAGHORN		
PLATT	BANYACSKI	CRODDY
RIUKAS		STREVELER
STRUCKMEYER		WILLIAMS

BACHELOR OF ARTS—Philosophy

The aims of philosophy are to familiarize the student with our intellectual heritage, to promote clear thinking, and to encourage an understanding of other people. As philosophy analyzes and relates many disciplines, it is general education in the broadest sense. The philosophy major is standard preparation for opportunities in business and industry, particularly in connection with computers. It leads also to government posts dealing with personnel, problem-solving, and work with other cultures. Philosophy is recommended for pre-law and pre-seminary students. This program opens the way to graduate work and to careers in college teaching.

1. General Requirements See Page 45.	62 s.h.
2. Arts and Letters Core Requirements See Page 48.	15 s.h.
3. Philosophy Concentration Requirements Ethics (Phi 380) History of Ancient Philosophy (Phi 470) History of Modern Philosophy (Phi 472) Logic (Phi 490) Senior Seminar in Philosophy (Phi 499) Philosophy electives—9 hours (Phi 374, Aesthetics, is recommended)	24 s.h.
4. Electives	27 s.h.

RELIGIOUS STUDIES CONCENTRATION

The Department of Philosophy also offers a concentration in Religious Studies. For information concerning the course sequence of this concentration, consult the office of the Department of Philosophy.

COURSE OFFERINGS IN PHILOSOPHY

Symbol: Phi

280 Introduction to Philosophy (3)
The chief problems and methods of philosophic thought, with a survey of some typical solutions. The place and influence of philosophy in the life of man today.

320 Religion in Culture (3)
Religion in human experience, interpreted phenomenologically. Illustrative examples of this approach, from a variety of religious traditions and practices.

360 (also Lin 360) Philosophy of Language (3)
Questions of meaning in communication. Emphasis on contemporary discussions of theories of natural language.

374 Aesthetics (3)
Interpretation of beauty and art. Effects of motivation; problems in media and in goals. A background of meaning for the evaluation of specific works of painting, sculpture, music, and architecture.

380 Ethics (3)
Great ethical systems of history and their application to personal and social life. The right and the good, the nature of values, and critical ethical dilemmas.

461 Indian Thought (3)
The religious and philosophical heritage of India, from Vedic times to the present. Examination of major classics, such as Rig Veda, Upanishads, Bhagavad-Gita, and Yoga-sutras, with some attention also to recent writers such as Tagore, Gandhi, and Radhakrishnan.

462 Chinese and Japanese Thought (3)
An examination of Far Eastern religion and philosophy, emphasizing the Oriental outlook on man, nature, and society. Classics such as Confucian Analects, Tao teh Ching, and I Ching are read and discussed; attention is given to Zen and other schools of Mahayana Buddhism.

463 History of Hebrew Thought (3)
Hebrew concepts of God, man, and the universe. Biblical origins; Philo; the Rabbinic writings; medieval traditions and interpretations; Maimonides, Spinoza, Mendelssohn, and Buber; contemporary problems.

465 History of Christian Thought (3)
Christian views of God, man, society, culture, and their inter-relations. Classic controversies, such as faith and reason, culture and faith, determination and freedom.

466 Comparative Religion (3)
A study of selections from the primary sources of the world's living religions. Concepts of God, man, society, and Nature. The relation of these writings to each other; their impact on contemporary world culture.

470 History of Ancient Philosophy (3)
A survey of the major figures of ancient philosophy, from the pre-Socratics through Plato, Aristotle, the Epicureans, and Stoics, to the Skeptics and Neo–Platonists.

471 History of Medieval Philosophy (3)
The history of philosophy from the early Church fathers to the late Middle Ages. St. Augustine, St. Thomas, mysticism, Jewish and Mohammedan influences, humanism, and the rise of science.

Phi 472 History of Modern Philosophy (3)
From Descartes to Hegel. The social, political, and scientific impact of the philosophers.

473 Contemporary Philosophy (3)
Philosophic trends since 1850, including the process philosophy, Pragmatism, Positivism, Existentialism, and the Analytic School.

475 19th Century Philosophy (3)
Hegel and German Idealism; decisive influences on European and American literature and thought. Survey of the chief themes of Schopenhauer, Comte, Mill, Spencer, Marx, Kierkegaard, Darwin, and Nietzsche.

482 Social Philosophy (3)
The relation between man and the state, especially as seen by recent thinkers. Justice, natural rights, political obligation, and similar issues.

483 Philosophy of History (3)
Classic philosophies of history, including those of Augustine, Vico, Hegel, Marx, Spengler, Toynbee and Collingwood. Definitions of civilization, norms of progress and decadence, determinism and indeterminism, causality, and pattern.

484 American Philosophy (3)
Leaders in science, literature, religion, and government who have shaped American thought. Philosophers of Puritanism, the Revolution, Transcendentalism, and native schools of Realism, Idealism, and Pragmatism.

486 Philosophy of Religion (3)
Religion and the religious experience as viewed by major Western thinkers. The existence of God, immortality, religious knowledge, evil, miracles, and science and religion.

487 Philosophy of Science (3)
The nature of scientific method and scientific theory, with reference to presuppositions, inference, explanation, prediction, applications, and verification.

488 Theory of Knowledge (3)
Theories of truth, perception, and understanding. Classic and contemporary discussions on the nature of the self, in relation to the known world.

490 Logic (3)
The art of critical thought and of sound reasoning. Formal and classical logic; propaganda; introduction to the scientific method.

499 Senior Seminar in Philosophy (3)
An intensive study of some major theme of philosophy. Required of philosophy majors. PREREQ: 6 hours of philosophy and Senior Standing, or permission of instructor.

DEPARTMENT OF SPEECH AND THEATRE

Dr. Morehouse, Chairman

PROFESSOR	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
MOREHOUSE	BERKOWITZ CASAGRANDE COPE HASHIMOTO JACOBS MARTEL MEISWINKEL PEREGO	HALL KEEFE

The aims of the Department of Speech and Theatre are to develop the student into an independent, responsible, and effective citizen by enabling him to grasp the nature and scope of the communication and performing arts. The Department's degree programs are designed to train the rhetorician, the dramatist, and the forensics coach in the dynamic processes and interactions of the communication arts. In addition, broad latitude is given the student for the exploration of relationships between his particular area of interest and disciplines found in other departments.

BACHELOR OF ARTS

A. SPEECH ARTS

1. General Requirements — 62 s.h.
   See Page 45.

2. Arts and Letters Core Requirements — 15 s.h.
   See Page 48.

3. Speech Arts Concentration Requirements — 39 s.h.

Bases of Speech (Sph 100)
Oral Interpretation (Sph 102)
Communication and Social Action (Sph 109)
Modern Communication Theory (Sph 209)
Psychology of Speech (Sph 401)
Additional courses from the offerings of the Department of Speech and Theatre to be selected with approval of adviser.

4. Electives — 12 s.h.

B. THEATRE ARTS

1. General Requirements — 62 s.h.
   See Page 45.

2. Arts and Letters Core Requirements — 15 s.h.
   See Page 48.

3. Theatre Arts Concentration Requirements — 40 s.h.

Theatre Practice (ThA 100)
Introduction to Theatre (ThA 101)
Oral Interpretation (ThA 102)
(Credited to General Requirements)
Beginning Acting (ThA 103)
Stagecraft and Production Management (ThA 204)
History of the Theatre to 16th Century (ThA 208)
Play Direction (ThA 301)
History of the Theatre, 16th Century to Present (ThA 308)
Discussion (Sph 315)
Psychology of Speech (Sph 401)
English Drama to 1642 (Lit 332)
Modern Dance I–II (PEd 311, 343)
(311–343 credited to General Requirements)
Choose two Literature courses from the following:
Modern British Drama (Lit 355)
Modern Continental Drama (Lit 356)
Modern American Drama (Lit 357)
Electives in Theatre Arts, as advised.

4. Electives — 11 s.h.

B.S. IN EDUCATION—Speech and Theatre

1. General Requirements — 56 s.h.
   See Page 45.

2. Professional Education Requirements — 28 s.h.
   See Page 77.

3. Specialized Preparation	33 s.h.
Fundamentals of Speaking (Sph 101) (Credited to General Requirements)	
Argumentation and Debate (Sph 203)	
Discussion (Sph 315)	
Teaching Speech and Drama (Sph 402) (Credited to Professional Education)	
Educational Theatre Production (ThA 206)	
Play Direction (ThA 301)	
Additional courses to be selected with approval of adviser.	

4. Electives	11 s.h.

COURSE OFFERINGS IN SPEECH AND THEATRE

SPEECH

Symbol: Sph

100 (also SpP 100) Bases of Speech (3)
See SpP 100 for description.

101 Fundamentals of Speaking (2)
Development of skills for purposeful speech communication. Awareness of the effects of language on communications. Recognition of the types and purposes of a selected number of communications. Grasp of the role of evidence and organization in spoken messages.

102 (also ThA 102) Oral Interpretation (3)
See ThA 102 for description.

105 Voice and Diction (3)
Theory and practice in techniques leading to more effective communication: better use of voice, articulation, and rhythm.

106 (also SpP 106) Introduction to Phonetics (3)
See SpP 106 for description.

107 Effective Speech for the Teacher (3)
Designed to help education majors improve their own speech habits and to provide oral experiences directly related to classroom teaching, administrative duties, and professional service.

109 Communication and Social Action (3)
Communication as a problem-solving tool. Ability to discern kinds of communications; the special powers or limitations of each; their usage in conflict situations. Selected communication models; an understanding of the flexibility of language in the communicative process; emphasis on the campaign nature of persuasive messages.

201 Public Address (3)
The place of public speaking in the social, political, economic, and religious life at selected historical occasions through the study of representative speakers and their speeches.

203 Argumentation and Debate (3)
Functions and principles of argumentation and debate, including analysis, briefing, evidence, reasoning, and refutation. Class debating on vital issues. PREREQ: Sph 101 or consent of instructor.

209 Modern Communication Theory (3)
An introduction to modern interpersonal group communication theory.

230 Business and Professional Speech Communication (3)
Practice in effective speaking and listening: reports and sales presentations; policy speeches, conference leadership techniques, group dynamics, radio and television speaking; interpersonal communication in the business and professional setting.

303 Modern Trends in Argument (3)
Study of the new thinking in argumentation theory. De-emphasizes classic validity and centers on the building of arguments which are acceptable to the hearers. Work on Stephen Toulmin and Chaim Perelman is focus. PREREQ: Sph 203 or consent of instructor.

305 History of Rhetorical Theory: Classical (3)
Development of rhetoric, ancient Greece through second century A.D., and Roman rhetoric. Early Sophists, Socrates, Aristotle, Isocrates, Cicero, and Quintilian.

306 History of Rhetorical Theory: Medieval to Modern (3)
Rhetoric from St. Augustine to modern communication theory. Emphasis on 1600-1850 (Ramus, Bacon, Campbell, Blair, and Whately) and 1900 to present (Winans, Woolbert, Monroe).

315 Discussion (3)
An introduction to the study of small groups. The small group as a model for human interaction processes. Emphasis on interpersonal communication between group members.

317 Directing Forensics (3)
Study in the philosophy of forensics. Initiating, developing, and administrating a forensics program. Coaching and judging debate and individual events.

399 Directed Studies in Speech and Theatre (1-3)
Research, creative projects, reports, readings in speech and theatre. Application must be made to advisers by students one semester in advance of registration. PREREQ: approval of department chairman. Open to juniors and seniors only.

401 Psychology of Speech (3)
Communication as a psychological phenomenon. Emotional and mental processes in human communication. Function of the senses, motivation, and personality.

402 Teaching Speech and Drama (3)
Theory and practice in teaching junior and senior high school speech and drama courses and in directing co-curricular programs in junior and senior high school.

403 Persuasion (3)
Current theories of attitude and attitude change. Practice in speaking to modify behavior through appeals to the drives and motives of the listener. PREREQ: Sph 101 or consent of instructor.

405 General Semantics (3)
Study of the relativistic view of language developed by Alfred Korzybski. Emphasis on language manipulation, its effect on individual behavior, and its place in interpersonal communication.

415 Group Communication Processes (3)
Current research in small–group communication. Emphasis is on major small–group theorists and their interrelationships.

THEATRE ARTS
Symbol: ThA

100 Theatre Practice (1)
Laboratory experience in technical aspects of play production. Majors must take three semesters of this course.

101 Introduction to the Theatre (3)
Survey of the arts and crafts used in play production: writing, directing, scene design, lighting, costuming, and makeup. Criticism of plays and productions. This is the basic course and must be taken the first semester after declaring intention to complete one of the theatre arts degree programs.

102 (also Sph 102) Oral Interpretation (3)
Theory and practice of oral presentation of various types of literature to an audience. Attention to teachers' problems in selection and presentation of material.

103 Beginning Acting (3)
Theory and practice in creating the character through development of the actor's physical and emotional responses to imaginary stimuli. Participation in student-directed productions required. One hour of lab.

202 Advanced Oral Interpretation (3)
Advanced work in oral presentation of literature with emphasis on the theory and technique of Readers Theatre. PREREQ: ThA 102.

203 Intermediate Acting (3)
Continuation of ThA 103. Participation in student-directed productions required. One hour lab. PREREQ: ThA 103.

204 Stagecraft and Production Management (3)
Planning, construction, painting, rigging, and shifting of scenery. Management of all operations backstage and in the house. Practical experience in college productions.

205 History of Costume and Design I (3)
The history of European costume from Greek to Elizabethan. Students are required to design costumes for periods studied.

206 Educational Theatre Production (3)
Selection of plays suitable for elementary schools and junior and senior high schools. Techniques for effective minimal staging.

207 Television Production Techniques (3)
Analysis of studio practices. Survey of basic television tools; cameras, sound and control equipment.

208 History of the Theatre to 16th Century (3)
Development of the theatre from primitive times through pre-Shakespearean period. Analysis of theatrical productions as indications of the life style of each historical period.

209 Stage Makeup (2)
Theory and practice in design and application of makeup for the stage.

301 Play Direction (3)
Theory and practice in play production: play selection, preparation of the script, casting, rehearsing. Direction of a one-act play before an invited audience required of each student. PREREQ: ThA 103.

302 The Art of Oral Reading for Teachers (3)
The teacher's analysis and preparation of written materials for oral presentation in the classroom.

304 Scene Design (3)
Principles and practice in designing an appropriate and expressive milieu for the play. Perspective sketches, working drawings, and models. Historical development of stage scenery. PREREQ: ThA 204.

305 History of Costume and Design II (3)
The history of European and American costume from the 17th century to the present day. Students are required to design costumes for each of the periods studied. ThA 205 is not prerequisite.

306 Creative Dramatics (3)
Theory and practice in the use of impromptu dramatizations as a teaching device and as a means of developing expressiveness in children. The class works with children.

307 Directing and Producing the Instructional Television Program (3)
Planning the non-dramatic television production. Practice in the use of television equipment. Production of an original instructional television program required of each student.

308 History of the Theatre, 16th Century to Present (3)
Development of theatre from Renaissance to contemporary period.

399 Directed Studies in Speech and Theatre (1-3)
Research, creative projects, reports, readings in speech and theatre. Application must be made to advisers by students one semester in advance of registration. PREREQ: approval of department chairman. Open to juniors and seniors only.

401 Advanced Directing (3)
Directing as a creative aspect of play production. Problems in directing actors in varied styles and forms of plays. Direction of a full-length play required of each student. One hour lab. PREREQ: ThA 301.

403 Advanced Acting (3)
Styles of acting. Fully staged acting projects presented and defended before an invited audience. Participation in campus plays required. One hour of lab. PREREQ: ThA 203.

404 Advanced Scene Design (3)
Analysis of excellent scene designs of the past. Practice in maximizing the visual impact of stage scenery. Design projects for selected visually challenging plays. Students design for both student-directed and major productions on campus and in the area. One hour of lab. PREREQ: ThA 304.

405 Advanced Costume Design and Construction (3)
This course emphasizes the unrealistic and stylized approaches for costume design and construction. PREREQ: ThA 205 or 305 and/or permission of instructor.

407 Directing and Producing the Dramatic Television Program (3)
Planning the program. Preparing the shooting script. Practice in rehearsing with actors and cameras. Production of a short television drama required of each student. One hour lab. PREREQ: ThA 301.

408 History and Aesthetics of the Oriental Theatre (3)
Impact of oriental theatrical traditions on Western thought and art. Oriental integration of form and content, especially in the theatres of India, China, and Japan.

409 Advanced Makeup (2)
Theory, development, and application of theatrical makeup according to: the play, its period, the style of production, the actor, and the character. Students must have previous knowledge of the basic two and three dimensional makeup devices. PREREQ: ThA 209.

DEPARTMENT OF SPEECH PATHOLOGY AND AUDIOLOGY

Dr. Griffith, Chairman

PROFESSOR	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
GRIFFITH	MAXWELL PETERSON SUPPAN	EBERHART SWINGLE

The major in speech pathology and audiology is designed to prepare students to teach the speech and hearing handicapped in the elementary and secondary schools of the Commonwealth and to provide students with the basic knowledge of communication and communication disorders necessary for graduate work.

Upon successful completion of the program, a student may qualify for the Pennsylvania Instructional I Certificate in Teaching the Speech and Hearing Handicapped (K-12).

The department operates a Speech and Hearing Clinic which serves as a teaching-training facility for the academic program in speech pathology and audiology. The clinic provides diagnostic and therapeutic services for children and adults with speech and hearing problems.

B.S. IN EDUCATION—Speech Pathology and Audiology

1. General Requirements — 56 s.h.
See Page 45.

2. Professional Education — 33 s.h.
Psychology of Exceptional Children (EdA 241)
School and Society (EdF 100)
Field Experience in Education (K-12) (EdF 307)
Psychology of Learning and Development (EdP 250)
Mental Hygiene (Psy 370)
Psychological Testing and Measurement (Psy 425)
The School Speech and Hearing Program (SpP 402)
Therapy in the Public Schools (Student Teaching) (SpP 412)

3. Specialized Preparation — 38 s.h.
Bases of Speech (SpP 100)
Introduction to Phonetics (SpP 106)
Speech and Language Development (SpP 170)
Speech Pathology I-II (SpP 202–203)
Clinical Principles in Speech and Hearing (SpP 204)
Introduction to Audiology (SpP 301)
Aural Rehabilitation (SpP 304)
Audiometry (SpP 305)
Clinical Practicum (SpP 350)
Advanced Clinical Practicum (SpP 351)
Inter-Professional Seminar in Speech and Hearing (SpP 404)
Basic Biological Science (Bio 100) (Credited to General Requirements)
Anatomy of Speech and Hearing Mechanisms (Bio 202) (Credited to General Requirements)
Acoustics for Speech and Hearing (Phy 110)
Statistics for the Behavioral Sciences (Psy 420)

4. Electives — 2 s.h.

COURSE OFFERINGS IN SPEECH PATHOLOGY AND AUDIOLOGY

Symbol: SpP

000 Speech Improvement (2 clock hours—no credit)
Emphasis on problems of articulation, voice, and rhythm. Required of all students whose speech falls below a minimal standard.

100 (also Sph 100) Bases of Speech (3)
Social, physiological, neurological, physical, phonetic–linguistic, psychological, and semantic bases of speech. An introduction to terms and concepts.

106 (also Sph 106) Introduction to Phonetics (3)
Study of the sounds of the English language. Development of skills in their recognition, production, and transcription.

170 Speech and Language Development (3)
Theoretical origin of speech in mankind and the development of speech in the individual. Normal development of speech is stressed.

201 Introduction to Speech Problems (3)
Survey of speech problems in children. The teacher's role in therapy. Emphasis on speech improvement in the classroom.

202 Speech Pathology I (3)
The characteristics, etiology, diagnosis, and treatment of speech disorders associated with articulation, delayed language, and voice. PREREQ: SpP 100 or consent of instructor.

203 Speech Pathology II (3)
The characteristics, etiology, diagnosis, and treatment of speech disorders associated with stuttering, cleft palate, cerebral palsy, and aphasia. PREREQ: SpP 202.

204 Clinical Principles in Speech and Hearing (3)
A study of evaluative and therapeutic materials and methods applicable to the professional setting. PREREQ: SpP 106, 202.

301 Introduction to Audiology (3)
An introduction to audiology and its relationship to other medical and educational fields concerned with hearing impairments. Developmental, medical, social, physical, and psychological properties of hearing and sound are explored. Evaluative techniques are introduced with opportunity for limited practical experience.

304 Aural Rehabilitation (3)
Medical, prosthetic, and educational approaches to aural rehabilitation for children and adults are considered. A comparative analysis of prevailing theories and techniques is made. A combined approach is stressed. PREREQ: SpP 301.

305 Audiometry (2)
A lecture–laboratory course which explores the measurement of hearing. Opportunities to develop competencies in administering basic measures are provided during lab periods. PREREQ: SpP 301.

350 Clinical Practicum (2)
Supervised practice in the Speech and Hearing Clinic. Designed to prepare the student to evaluate and provide therapy for children and adults who have communication problems. Must be repeated if performance is not satisfactory. PREREQ: permission of instructor.

351 Advanced Clinical Practicum (2)
PREREQ: SpP 350 and permission of instructor.

399 Directed Studies in Speech Pathology and Audiology (1–3)
Research, creative projects, reports, readings in speech pathology and audiology. Application must be made to advisers by students one semester in advance of registration. Open to juniors and seniors only. PREREQ: approval of department chairman.

402 The School Speech and Hearing Program (3)
Orientation to the professional situation. Organization and administration of a speech and/or hearing program (K–12). For speech pathology majors with consent of instructor.

404 Inter–Professional Seminar in Speech and Hearing (2)
Explores the interrelationship between the speech and hearing therapist and members of other professions who diagnose or treat basic or allied problems of the person with a speech or hearing problem. PREREQ: permission of instructor.

412 Therapy in the Public Schools (Student Teaching) (12)
Observation and participation in teaching and activities related to the performance of a therapist's work in the area of speech pathology and audiology. PREREQ: satisfactory completion of all required speech, hearing, and psychology courses through the sixth semester and Senior Standing. Students must have at least a 2.0 cumulative average and 2.5 average in the major field.

School of Education

Harold W. Benda, *Dean*
John A. Lander, *Associate Dean*
Michael F. Bannon, *Associate Dean for Graduate Studies*

Department of Counselor Education
Department of Elementary Education
Department of Instructional Media Education
Department of Secondary Education and Professional Studies

Environmental (Outdoor) Education
Reading
Special Education
Urban Education
Laboratory School

DEPARTMENT OF COUNSELOR EDUCATION

DR. WALTON B. HILL
ACTING CHAIRMAN

PROFESSORS
HILL
HILL, JULIUS

ASSOCIATE PROFESSORS
CLARK
GOTTSHALL
GREENBERG
RAHN
SWIREN

DEPARTMENT OF INSTRUCTIONAL MEDIA EDUCATION

DR. WEAGLEY, CHAIRMAN

PROFESSORS
McTAVISH
STRAYER
WEAGLEY

ASSOCIATE PROFESSORS
REDMOND
SPIECKER

ASSISTANT PROFESSORS
REIS
STEINMETZ

INSTRUCTORS
MORGAN, JOHN (PART-TIME)
NEWBORG (PART-TIME)

READING
DR. GELFAND, COORDINATOR

PROFESSOR
GELFAND

ASSISTANT PROFESSOR
HEWITT

LABORATORY SCHOOL
MR. CARTRIGHT, PRINCIPAL

ASSOCIATE PROFESSOR
CARTRIGHT

ASSISTANT PROFESSORS
FINKEL
PRITCHARD

INSTRUCTORS
HASSON
McCOACH
MORGAN, MARY ANN
REED
WESTON

STUDENT TEACHING PROGRAM
DR. EVANS, DIRECTOR

PROFESSORS
DE SCHER
EVANS

ASSOCIATE PROFESSORS
BRICE
BROWN
GERMAN
GOOD, CHARLES
HOGGARD

HOLINGJAK
HURFORD
JACECKO
LEE
TALLEY
WALTERS

ASSISTANT PROFESSORS
GRAFTON
HASSELQUIST
JONES
LEWIS

Faculty members not shown above appear with their departments or programs.

(The School of Health and Physical Education and the School of Music assist the Student Teaching Program by providing faculty for supervision in their respective special skills.)

The School of Education, working cooperatively with the total College community, assumes the responsibility for providing the prospective teacher with the technical knowledge and skills, supported by laboratory experiences, to be used in his profession; and with the social, ethical, and professional attitudes necessary for success in teaching.

DEPARTMENT OF ELEMENTARY EDUCATION

Dr. Ziegler, Chairman

PROFESSORS

KING
ZIEGLER

ASSOCIATE PROFESSORS

CHERN
GOOD, CHARLOTTE
HAAS
HABECKER
HERRES
KULP
MYERS
PETA
STUDENMUND

ASSISTANT PROFESSORS

DUNLAP
GIBSON
GRASTY
HASSELQUIST
HOUSEMAN
PETKOFSKY
RUSH
WELCH

INSTRUCTORS

BLACK
MORGAN, MARY ANN

The elementary education curriculum is designed to provide a broad background of general education, an understanding of children, and the knowledge and skills needed to teach all aspects of the elementary school program. There is no major or minor field in this curriculum, but students must meet the requirements for an Area of Interest. Upon satisfactory completion of the approved program in elementary education, the student will qualify for a Pennsylvania Instructional I Teaching Certificate, valid for teaching for three years in the nursery school, kindergarten, and grades one through six.

Students desiring specific certification in grades four through eight are advised to consult with the Department Chairman.

B.S. IN EDUCATION

1. General Requirements		56 s.h.
SKILLS AND COMPETENCIES | 12 S.H.		
English Composition I-II (Eng 101-102)	6	
Fundamentals of Speaking (Sph 101)	2	
Health (HEd 170)	2	
Physical Activities I (PEd 101)	1	
Practice and Theory in Elementary Physical Education (PEd 201)	1	
ARTS AND LETTERS | 15 S.H.		
General Literature I-II (Lit 221-222)	6	
Fine Arts (Art) (Art 101)	3	
Fine Arts (Music) (Mus 121)	3	
Introduction to Philosophy (Phi 280)	3	
SOCIAL SCIENCES | 18 S.H.		
History of Civilization I-II (His 101-102)	6	
History of U. S. I (His 211)	3	
World Geography (Geo 101)	3	
American Government (PSc 231)	3	
Introduction to Psychology (Psy 100)	3	
SCIENCES | 11 S.H.		
Basic Biological Science (Bio 100)	4	
Basic Physical Science (Sci 150)	4	
Mathematics for Elementary Teachers I (Mat 101)	3	
2. Professional Education		22 s.h.
School and Society (EdF 100)	3	
Psychology of Learning and Development (EdP 250)	3	
Audio-Visual Education (EdM 300)	2	
Evaluation and Measurement (EdP 351)	2	
Student Teaching and Practicum (EdE 411)	12	
3. Specialized Preparation		37 s.h.
Art in the Elementary School I (Art 251)	3	
Human Development: Childhood (EdE 251)	3	
Music for the Primary Grades (Mus 231) or Music for the Intermediate Grades (Mus 232)	3	
Dance Activities in the Elementary Program (PEd 202)	1	
Science Education in the Elementary School (ScE 310)	3	
Introduction to Speech Problems (SpP 201)	3	
Field Experience in Elementary Education (EdE 305)	1	
Language Arts in the Elementary School (EdE 309) or, with departmental approval, Oral and Written Expression in the Elementary School (EdE 317) and Reading in the Elementary School (EdE 319)	6	
Teaching Social Studies in the Elementary School (EdE 332)	3	
Health for the Elementary Grades (HEd 370)	3	
Children's Literature (Lit 350)	3	
Teaching Mathematics in Elementary Schools (Mat 351)	3	
Current Trends in Elementary Education (EdE 401)	2	
4. Area of Interest Electives		6-21 s.h.

5. Free Electives 0–7 s.h.

Students are free to choose courses from any field in order to complete the minimum number of semester hours (128) required for graduation.

AREAS OF INTEREST

In order to meet the requirements for concentrated study in a specific field, elementary education majors are required to select a specific field of interest from the list below. The teaching certificate is not affected by any chosen area except for special education. All areas should be selected under advisement by the department or School providing the courses in the area of interest.

ART 18 s.h.

Required (6 s.h.)
Art in the Elementary School II (Art 252)
Crafts: Three-Dimensional Media for Elementary Education (Art 266)
Electives: 12 s.h. in art, chosen under advisement

EARLY CHILDHOOD EDUCATION 18 s.h.

Required (12 s.h.)
Field Experience in Early Childhood Education (EdE 302)
Early Childhood Education I-II (EdE 403-404)
Introduction to Sociology (Soc 100)
Electives: (6 s.h.) chosen from:
a. **Creative Expression** (3 s.h.)
EdE 301 or ThA 306
b. **Society and Culture** (3 s.h.)
Ant 102; EdU 360, 361; Soc 332, 333, 335

ENGLISH 6 s.h.

Two courses in English or literature (6 s.h.)

ENVIRONMENTAL (OUTDOOR) EDUCATION 19-21 s.h.

Required (13 s.h.)
Basic Ecology (Bio 201)
Field Ecology and Natural History (Bio 272)
Organization and Administration of Outdoor Education (EdO 420)
Conservation of Natural Resources (Geo 201)
Electives: (6-8 s.h.) Chosen from one of the following groups:
Group A—Natural Sciences
Bio 275, 277, 377, 378; ESS 101, 111, 201, 230
Group B—Man Centered
Ant 102, 331, 333; Geo 414; Soc 100, 336
Group C—Recreation Centered
PEd 250, 370, 467
Group D—Curriculum Centered
EdO 405, 410, 415, 425

EXPRESSIVE LANGUAGE ARTS 13 s.h.

Required (6 s.h.)
Oral Interpretation (ThA 102)
Creative Dramatics (ThA 306)
Electives: (7 s.h.)
Courses in English or literature, speech, and theatre arts, selected under advisement

FOREIGN LANGUAGES 12 s.h.

12 s.h. in a foreign language (101-102 level of the language is acceptable)

GEOGRAPHY 15 s.h.

Required (3 s.h.)
Regional Method and Anglo America (Geo 202)
Electives: (12 s.h.) Selected from geography offerings under advisement. Particularly suitable choices are Geo 201, 203, 204, 207, 208

HEALTH AND PHYSICAL EDUCATION 17 s.h.

Requirements (14 s.h.)
History and Philosophy of Health and Physical Education (PEd 451)
Physical Activity for Special Children (PEd 251)
Elementary Physical Education Curriculum (PEd 354)
Self-Testing Activities in Elementary School Physical Education (PEd 340)
The School Health Program (HEd 371)
First Aid for Teachers (HEd 377)
Electives: (3 s.h.) selected under advisement from PEd 140, 311, 361, 367, 370, 481; HEd 272, 376

HISTORY 15 s.h.

Required (3 s.h.)
History of U. S. II (His 212)

Electives: (12 s.h.) selected under advisement from
a. American History (3 s.h.)
His 313, 316, 317, 319, 320, 339
b. European History (3 s.h.)
His 219, 331, 332, 340, 350, 351
c. World and Regional History (6 s.h.)
His 218, 322, 323, 326, 328, 329, 333, 334

MATHEMATICS 18 s.h.

Required (12 s.h.)
Introduction to Computers (CSc 100)
Mathematics for Elementary Teachers II (Mat 102)
Algebra for Elementary Teachers (Mat 311)
Geometry for Elementary Teachers (Mat 331)
Development of the Mathematics Curriculum in the Elementary Grades (Mat 356)
Electives: (6 s.h.) chosen from Mat 121, 231, 340, 390, 391, 400; CSc 350

MUSIC 24 s.h.*

Prerequisites: Music qualifying tests and approval by the School of Music
Music History (6 s.h.)
Music History I-II (Mus 122–123) (Mus 122 is in place of Mus 121 in the curriculum)
Theory of Music (6 s.h.)
Foundations of Music I-II (Mus 111-211)
Professional Education (6 s.h.)
Elementary Music Methods (Mus 332) in place of Mus 231 or 232 in the curriculum)
Teaching Music Appreciation in the Elementary Grades (Mus 334)
Applied Music (6 s.h.)
Performance Area (individual lessons) (3 s.h.); Voice (individual lessons) (1 s.h.); Musical Organization (1 s.h.); Elective (1-2 s.h.)

* Mus 122 (3 s.h.) and Mus 332 (3 s.h.) are credited, respectively, to General Requirements and Specialized Preparation. When transferred to 4—Area of Interest in the curriculum outline above, the total is therefore 18 s.h.

PSYCHOLOGY 12 s.h.

4 courses in psychology

SCIENCES 15-16 s.h.

Required (15–16 s.h.) selected under advisement from:
a. Biological Science (Bio 200, 201, 271, 275, 277, 378)
b. Physical Science (ESS 101, 111, 201; Sci 251)

SOCIAL SCIENCES 6 s.h.

2 courses chosen from anthropology, sociology, or economics

SPECIAL EDUCATION 11 s.h.

Choose either field:
Teaching the Mentally Retarded
Psychology of Exceptional Children (EdA 241)
Psychology of the Mentally Retarded (EdA 243)
Problems in Special Education (EdA 344)
Curriculum and Methods for the Mentally Retarded (EdA 348)

or

Teaching the Physically Handicapped
Psychology of Exceptional Children (EdA 241)
Psychology of Physical Disability (PEd 457)
Physical Disabilities of Childhood (PEd 458)
Curriculum and Methods for the Physically Handicapped (EdA 349)
Note: Art 251, required in the elementary education curriculum, is a requirement in the 14–s.h. sequence of courses which may earn certification in either of these special–education fields. See "Certification Programs in Special Education" immediately following.

SPEECH PATHOLOGY AND AUDIOLOGY 21 s.h.

Bases of Speech (SpP 100)
Introduction to Phonetics (SpP 106)
Speech and Language Development (SpP 170)
Speech Pathology I (SpP 202)
SpP 201—Introduction to Speech Problems (required in the elementary education curriculum) may be substituted with the instructor's permission)
Speech Pathology II (SpP 203)
Introduction to Audiology (SpP 301)
Clinical Practicum (SpP 350) (3 s.h.)

URBAN EDUCATION 15 s.h.

Required (12 s.h.)
Introduction to Sociology (Soc 100)
Racial and Cultural Minorities (Soc 335)
The Disadvantaged Child (EdU 360)
Teaching in Urban Schools (EdU 361)
Elective: (3 s.h.)
Choose one from Eco 333; His 339; Lit 340, 341, 342; Psy 354; Soc 332, 333, 334, 336

DEPARTMENT OF SECONDARY EDUCATION AND PROFESSIONAL STUDIES

Dr. Ridley, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
BANNON	ANNESLEY	EDWARDS
BENDA	BARTH	McKENDRY (PART-TIME)
LANDER	BUECHELE	SCHURR (PART-TIME)
MEANS	CLEARY	
MISSISSYAN	FRANCELLA	
RIDLEY	GLEOCKLER	
THOMAS	GROSS	
	KIPP	
	PAGANELLI	
	PATTERSON	
	RECKTENWALD	

A major in secondary education may be earned with academic specialization in biology, chemistry, comprehensive science, earth and space science, English, French, geography, German, history, Latin, mathematics, physics, Russian, social studies, Spanish, or speech and theatre. Upon satisfactory completion of the requirements of the secondary curriculum, the student will be granted the degree of Bachelor of Science in Education by the College. He will also qualify for a Pennsylvania Instructional I Certificate, which is valid for teaching the specified subject or subjects in approved secondary schools in Pennsylvania for three years. The student must choose one academic field of specialization.

GENERAL REQUIREMENTS—SECONDARY EDUCATION MAJORS

Although the general requirements of the College are primarily the same for all subject fields, certain variations are made when there is logical reason for them. The basic pattern for General Requirements may be noted on Page 45. To determine approved substitutions for his particular field, the secondary education major must consult the course requirements listed under the heading of his field.

PROFESSIONAL EDUCATION—SECONDARY EDUCATION MAJORS

Professional Education Courses			s.h.
EdF	100	School and Society	3
EdP	250	Psychology of Learning and Development	3
EdM	300	Audio-Visual Education	2
EdS	306	Field Experience in Secondary Education	3
EdP	351	Evaluation and Measurement	2
EdS	412	Student Teaching for Secondary Majors, including Practicum	12
		Methods of Teaching Academic Subject	3
			28

SPECIALIZATION FOR SECONDARY TEACHING

Specialization in one of the teaching fields listed below is required for graduation in secondary education. The minimum semester hours which West Chester requires for each field will satisfy the teacher certification requirements in Pennsylvania. The minimum for each field of specialization may be noted in the particular B.S. in Education program, given under the heading of the department. (See School of Arts and Letters, School of Sciences and Mathematics, or School of Social and Behavioral Sciences.)

SECONDARY TEACHING FIELDS

Biology	History
Chemistry	Latin
Comprehensive English	Mathematics
Comprehensive Science	Physics
Comprehensive Social Studies	Russian
Earth and Space Science	Social Studies—Geography
French	Social Studies—Political Science
Geography	Spanish
German	Speech and Theatre

In planning his program the secondary education major must confer regularly with his professional adviser in the Department of Secondary Education and Professional Studies, as well as with his academic adviser assigned by his respective academic department. The final certification of all students whose goal is the Bachelor of Science in Education is the responsibility of the Dean of the School of Education.

CERTIFICATION PROGRAM IN ENVIRONMENTAL (OUTDOOR) EDUCATION

Mr. Holingjak, Coordinator

This interdisciplinary program enables teacher-education majors to secure certification to teach environmental (outdoor) education. The course sequences in the program are drawn from existing curricula in the natural sciences, social and behavioral sciences, and health and physical education, and permit students to graduate with dual certification. For certification, students are required to complete four core courses and two elective courses chosen from one of the following areas of concentration: natural sciences, recreation–centered, man–centered, or curriculum–centered. Students wishing to explore this program should consult with the Coordinator of Environmental Education.

REQUIRED CORE COURSES

	Semester Hours
Conservation of Natural Resources (Geo 201)	3
Basic Ecology (Bio 201)*	4
Field Ecology and Natural History (Bio 272)*	3
Organization and Administration of Outdoor Education (EdO 420)	3
	13

* Biology majors must substitute biology courses from Group A with approval of adviser.

ELECTIVES—two courses from one of these areas:

Group A—Natural Sciences
Field Botany (Bio 275)
Field Zoology (Bio 277)
Entomology (Bio 377)
Ornithology (Bio 378)
Earth Science (ESS 101)
General Astronomy (ESS 111)
Physical Geology (ESS 201)
Introduction to Oceanography (ESS 230)

Group B—Man–Centered
Introduction to Anthropology: Cultural (Ant 102)
Human Paleontology (Ant 331)
Culture Change (Ant 333)
Regional Planning (Geo 414)
Introduction to Sociology (Soc 100)
Urban Sociology (Soc 336)

Group C—Recreation–Centered
Principles of Recreation (PEd 250)
Camping and Outing (PEd 370)
Supervised Camping Leadership (PEd 467)

Group D—Curriculum–Centered
Conservation Education Curriculum (K-12) (EdO 405)
Methods in Conservation Education (EdO 410)
History of Conservation (EdO 415)
Independent Studies in Environmental Education (EdO 425)

CERTIFICATION PROGRAMS IN SPECIAL EDUCATION *

Dr. Freeman, Coordinator

PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSORS
FREEMAN	PAINTING (PART-TIME)	CLOSE GOLDEN NICKLES HIRT (PART-TIME)

Two programs in special education enable students to secure certification to teach the mentally retarded or the physically handicapped. The course sequences of the programs are extensions of existing curricula and permit students to graduate with dual certification, that is, their teaching certificates will be valid for teaching in the regular classroom and in special classes for either the mentally retarded or the physically handicapped.

The program at West Chester meets the State requirements of a minimum of 12 semester hours and is so planned that elementary students will not need to carry an overload or attend summer sessions.

Students pursuing a degree in secondary education will receive dual certification upon completion of either course sequence plus basic courses in the teaching of reading and the teaching of mathematics for the elementary grades. To attain these additional credits, secondary education students may need to attend summer sessions.

Student Teaching. In both programs, not less than four weeks nor more than nine weeks of the regular student teaching are to be allocated to a special education station.

Special education courses are scheduled to enable students to begin the program during the second semester of their sophomore year. Students interested in teaching retarded or physically handicapped children should indicate their interest when planning their sophomore schedule, and are advised to see the Coordinator of Special Education. Students who are not certain of their interest in the field may enroll in one or more of the special education courses on an exploratory basis, to determine the degree of their personal commitment to the field. If the program is not pursued further, the courses will serve as elective credits in other curricula.

Students wishing to explore these programs should consult with the Coordinator of Special Education, Special Education Building.

* Each of the special education programs also constitutes an area of interest in the elementary education curriculum.

Program for Teaching the Mentally Retarded

Prerequisite: Introduction to Psychology (Psy 100)

	Semester Hours
Psychology of Exceptional Children (EdA 241)	3
Psychology of the Mentally Retarded (EdA 243)	3
Problems in Special Education (EdA 344)	2
Curriculum and Methods for the Mentally Retarded (EdA 348)	3
Art in the Elementary School I (Art 251) (required for all elementary education majors)	3
	14

The first four courses should be taken in order shown.

Program for Teaching the Physically Handicapped

Prerequisite: Introduction to Psychology (Psy 100)

	Semester Hours
Psychology of Exceptional Children (EdA 241)	3
Psychology of Physical Disability (PEd 457)	3
Physical Disabilities of Childhood (PEd 458)	2
Curriculum and Methods for the Physically Handicapped (EdA 349)	3
Art in the Elementary School I (Art 251) (required for all elementary education majors)	3
	14

The first four courses should be taken in order shown.

DEGREE PROGRAM IN SPECIAL EDUCATION

For information about West Chester's program leading to the B.S. in Education in speech pathology and audiology, see Department of Speech Pathology and Audiology.

URBAN EDUCATION PROGRAM

Mr. Leeds, Associate Professor, Coordinator

West Chester offers a special program which strengthens the preparation of teachers who wish to work in the schools of the inner cities, where the need for skilled teachers is great.

The prospective urban teacher needs both carefully planned college courses and equally well planned experience in the schools. Because of the complexity of urban civilization and the diversity of the persons and situations he deals with, the urban teacher should have a particularly rich background in both the liberal arts and professional studies.

The urban education program does not provide additional certification and does not vary essentially from the normal requirements for either the elementary or the secondary major. However, the student who undertakes the program is required to take at least half of his student teaching in the urban school. He must also take a special core of course work related to teaching in the inner city.

Elementary education majors incorporate the urban education program into their curriculum by selecting it as their area of interest. (See Areas of Interest above.)

Secondary education majors who wish to consider this special preparation must first consult with the Coordinator of Urban Education. Unless the requirements for their field are very heavy, students are usually able to fit the urban education core into their curriculum without going beyond the 128 hours required for graduation.

COURSE OFFERINGS IN EDUCATION

EXPLANATION OF PREFIXES

Courses given by the School of Education bear a general prefix of Ed followed by a letter which identifies the department or curriculum thus:

A—Special (Atypical) Education
E—Elementary Education
F—Foundations*
M—Instructional Media Education
O—Environmental (Outdoor) Education
P—Psychology (Educational)*
R—Reading
S—Secondary Education*
U—Urban Education

* See Secondary Education and Professional Studies.

ELEMENTARY EDUCATION

The following EdE courses are open to elementary education majors only, except by permission of Department Chairman.

EdE 251 Human Development: Childhood (3)
A study of child growth, development, and behavior, with specific application to early childhood and elementary education. PREREQ: Psy 100.

EdE 301 Creativity in the Classroom (3)
Exploration of materials and processes of children's perceptions and behavior, aimed at encouraging the development of their critical and creative potentials.

EdE 302 Field Experience in Early Childhood Education (3)
Practical experience with young children through participation in pre-school programs; related lecture and discussion. PREREQ: EdE 251.

EdE 303–304 Early Childhood Seminar and Practicum I-II (3) (3)
A two-semester course for paraprofessionals in child care centers. The two semesters consist of: I. Study of development and learning in early childhood; methods and materials for working with young children. II. Directed experiences with young children. III. Supervised on-the-job work in child care centers. No credit given until both 303 and 304 are completed; must be taken in the same academic year. Permission of department required.

EdE 305 Field Experience in Elementary Education (1)
Participation in an elementary school classroom for a two-hour period each week. (Student schedule must provide at least a three-hour block.) Open to juniors or sophomores.

EdE 309 Language Arts in the Elementary School (6)
A study of the total language program: oral language (listening and speaking), reading, and written language. Stresses content, sequence, methods, and materials of instruction. Combines the contents of EdE 317 and EdE 319, but focuses on the interrelatedness among the language arts. PREREQ: Junior Standing.

EdE 317 Oral and Written Expression in the Elementary School (3)
A study of the program in oral language (listening and speaking) and written language. Stresses content, sequence, methods, and materials of instruction. PREREQ: departmental approval and permission of Dean of Undergraduate Studies.

EdE 319 Reading in the Elementary School (3)
Content, sequence, methods, and materials of instruction in the reading program. PREREQ: departmental approval and permission of Dean of Undergraduate Studies.

EdE 332 Teaching Social Studies in the Elementary School (3)
Methods of teaching social studies and geography in the elementary curriculum. Techniques, current research projects, reading materials, audio-visual aids, resource persons, and field trips as tools of learning. The organization, development, and use of resource units are stressed.

EdE 401 Current Trends in Elementary Education (2)
Recent trends related to basic changes in elementary education. Class meets three times weekly. PREREQ: EdE 251, 309, 332.

EdE 403 Early Childhood Education I (3)
An introductory course: historical and philosophical background of early education, survey of current programs, and intensive study of child development in the early years. PREREQ: EdE 251.

EdE 404 Early Childhood Education II (3)
Methods, materials, and content of educational programs for young children, with emphasis on the practical application of knowledge and theory. PREREQ: EdE 251.

EdE 411 Student Teaching and Direction of Student Activities [Elementary Majors] Including Practicum (12)
Observation and participation in teaching and all other activities related to the teacher's work in the elementary school. Students meet once each week in a practicum session. PREREQ: 96 semester hours including all professional education courses and all specialized-preparation courses. Students must have at least a 2.0 cumulative average and a 2.0 average in the major field.

EdE 421 Senior Seminar in Elementary Education (2)
An intensive study of some current, major developments in elementary education. May be taken as an elective or, with departmental permission, may substitute for EdE 401. PREREQ: Senior Standing.

ENVIRONMENTAL (OUTDOOR) EDUCATION

EdO 405 Conservation Education Curriculum (K–12) (3)
Conservation education as it exists in the present school curriculum, and ways to integrate conservation into elementary and secondary school disciplines. Characteristics, interrelationships, and uses of our natural resources; problems and policies of industrial management in conservation as they are related to the school curriculum.

EdO 410 Methods in Conservation Education (3)
Basic concepts and practices of conservation and outdoor education and their role in the school program.

EdO 415 History of Conservation (3)
Development of the conservation movement in the U. S., with emphasis on the progressive adaptations of conservation to our changing social and economic order.

EdO 420 Organization and Administration of Outdoor Education (3)
Basic concepts of outdoor education; the role of outdoor education in the school program; the initiation and administration of outdoor education.

EdO 425 Independent Studies in Environmental Education (3)
Special research projects, reports, readings in conservation and outdoor education. Open to seniors only. PREREQ: permission of instructor.

INSTRUCTIONAL MEDIA EDUCATION

EdM 300 Audio-Visual Education (2)
Techniques, materials and equipment, and the development of skills in their use in teaching. Class meets three times weekly.

READING

EdR 321 Diagnostic and Remedial Reading (3)
Identifying the nature and causes of reading disabilities; procedures and materials for helping children with reading problems. PREREQ: EdE 309 or 319 or EdS 320.

SECONDARY EDUCATION AND PROFESSIONAL STUDIES

Foundations

EdF 100 School and Society (3)
An introduction to the nature, function, scope, organization, administration, and support of the public school in American society.

EdF 307 Field Experience for Speech Pathology Majors (3)
Observation and participation in the classroom and observation of speech and hearing therapy in the clinical setting; related lecture and discussion. PREREQ: EdF 100, EdP 250, Junior Standing, and permission of instructor.

EdF 350 Introduction to Guidance and Counseling (3)
An orientation course for classroom teachers. The focus is upon personnel services. PREREQ: EdP 250.

Educational Psychology

EdP 250 Psychology of Learning and Development (3)
A study of learning in relation to the physical, social, emotional, and intellectual aspects of personality. PREREQ: Psy 100.

EdP 351 Evaluation and Measurement (2)
A survey of testing materials and procedures with emphasis upon interpretation and application of results for pupil guidance purposes. Class meets three times weekly. PREREQ: Psy 100, EdP 250.

Secondary Education

EdS 306 Field Experience in Secondary Education (3)
Practical experience in identifying, analyzing, and defining problems in secondary education through placement of students as teacher-aides in cooperating schools. Students registering during fall and spring semesters are required to allow at least a three-hour block for field-observation responsibilities. PREREQ: EdF 100, EdP 250, and Junior Standing.

EdS 320 Teaching of Reading in the Secondary Schools (3)
The nature of the reading process, the reading program, and reading study skills. Open only to students preparing to teach at the secondary level.

EdS 412 Student Teaching and Direction of Activities [Secondary Majors] Including Practicum (12)
Observation and participation in teaching and all other activities related to the teacher's work in the area of the student's specialization. PREREQ: 96 semester hours including all professional-education courses. Students must have at least a 2.0 cumulative average and a 2.0 average in the major field.

SPECIAL (ATYPICAL) EDUCATION

EdA 241 Psychology of Exceptional Children (3)
Psychology of children who are mentally gifted or retarded or who have vision, hearing, speech, or orthopedic handicaps or emotional or social problems.

EdA 243 Psychology of the Mentally Retarded (3)
Etiology, diagnosis, and various treatment approaches to the mentally retarded. PREREQ: EdA 241.

EdA 330 The Academically Superior Child (3)
The gifted child and means of providing an effective educational program for him.

EdA 344 Problems in Special Education (2)
Analysis of problems involving school personnel, parents, community agencies, and the cultural background of students in special education.

EdA 348 Curriculum and Methods for the Mentally Retarded (3)
An introduction to methods of teaching mentally retarded children. Emphasis is upon developing classroom programs and the adaptation of instructional materials for use with the retarded child.

EdA 349 Curriculum and Methods for the Physically Handicapped (3)
An introduction to methods of teaching physically handicapped children. Emphasis is upon developing classroom programs and the adaptation of instructional materials for use with the handicapped.

EdA 450 Mental Health/Mental Retardation Practicum (3)
Provides opportunity to engage in field work in the mental health/mental retardation field. Field and class work adapted to individual interests.

URBAN EDUCATION

EdU 360 The Disadvantaged Child (3)
Backgrounds, problems, and potentialities of the disadvantaged student. PREREQ: Psy 100 and EdE 251 or Psy 352.

EdU 361 Teaching in Urban Schools (3)
An introduction to urban education by means of observation, lectures, discussions, and related activities. PREREQ: EdU 360 or permission of instructor.

School of Health and Physical Education

Edwin L. Youmans, *Dean*
Edward N. Norris, *Associate Dean for Graduate Studies*
Edwin B. Cottrell, *Assistant to the Dean*

Walter E. Funk, *Chairman, Department of Health Education*
Melvin M. Lorback, *Chairman, Department of Physical Education*
Robert W. Reese, *Director of Athletics*
Barbara J. Coates, *Coordinator of Women's Activities*
Norman A. Cochran, *Course Coordinator of Men's Intramurals and Elementary Physical Education*
Alvin B. Davis, *Coordinator of Student Teaching*
Mildred L. Greenwood, *Director of Women's Intercollegiate Athletic Program*
Charles W. Pagano, *Aquatics Coordinator*
N. Ruth Reed, *Director of Women's Athletic Association*
John R. Steinmetz, *Budget and Facility Coordinator*
John N. Trezise, *Course Coordinator of Non-Majors*
Richard B. Yoder, *Coordinator of Safety Education*

PROFESSORS

COCHRAN
COTTRELL
LEMCKE
NORRIS
OWENS
SERPICO
STURZEBECKER
YOUMANS

ASSOCIATE PROFESSORS

BALDWIN
BUTLER
CASTLE
CHARTERS
COATES
COLLIER
DAVIS
DeMILLION
DONLEY
FISHER
FUNK
FURLOW
GOODWIN
GREENWOOD
HELLER
HUFFMAN
KAPILIAN
LANK
LEIGHTON
LORBACK
LOWE
MARGERUM
MARTIN
PARKINSON
PEACE
REED
REESE
STEINMETZ
TREZISE
VOSS
WILKINSON
WINTERMUTE
WOODS
YANISCH
YODER

ASSISTANT PROFESSORS

BONSALL
CUNNINGHAM
ECKMAN
GIUNTA
GROS
JONES
NYE
PAGANO
REMLEY
SMILEY
SMITH
TRNKA
WEBER

INSTRUCTORS

CELAIN
HOOKER
KARAS (PART-TIME)
LAPPANO
OCKER (PART-TIME)
REPSHER
SCHINTZIUS (PART-TIME)
SEUFFERT (PART-TIME)
TEETS (PART-TIME)

HEAD COACHES FOR MEN

BASEBALL—SERPICO
BASKETBALL—FUNK
CROSS-COUNTRY—BUTLER
FOOTBALL—FURLOW
GOLF—COTTRELL
GYMNASTICS—TRNKA
SOCCER—LORBACK
SWIMMING—NORRIS
TENNIS—WOODS
TRACK—BUTLER
WRESTLING—COLLIER

HEAD COACHES FOR WOMEN

ARCHERY—PARKINSON
BADMINTON—GREENWOOD
BASKETBALL—ECKMAN
BOWLING—HELLER
FIELD HOCKEY—GROS
GYMNASTICS—CASTLE
LACROSSE—GROS
SOFTBALL—TO BE ANNOUNCED
SWIMMING—LEIGHTON
TENNIS—LEIGHTON

The School of Health and Physical Education at West Chester has a record of excellence and a long history; West Chester's program of coeducational physical education is one of the oldest in the United States. The first Director of Physical Training, Dr. Clyde Ehinger, was appointed in 1890.

PROGRAMS OF STUDY

B.S. in Health and Physical Education

B. S. in Health Education

The School of Health and Physical Education offers a dual major leading to the Bachelor of Science in Health and Physical Education and a second program leading to the Bachelor of Science in Health Education. Both programs, upon satisfactory completion, permit the student to attain the Pennsylvania Instructional I Certificate, valid for teaching the specified subject in the elementary and secondary schools of Pennsylvania for three years.

Non-Degree Programs

The School also offers courses leading to certification in Driver Education and Safe Living. This program includes highway and general safety education.

Students who desire to prepare as recreation leaders may elect courses in recreation and take part in a special program in camp leadership during the summer.

The School services the total college enrollment by providing courses in physical education and a course in health education for all undergraduates.

FACILITIES

Facilities to support the programs of the School have kept pace with a rapid increase in students and faculty. The new Health and Physical Education Center and field complex, located on South Campus, provide the College with one of the nation's outstanding facilities for education and research in health and physical education. Among its notable components are its research facilities, its multipurpose teaching stations, and a one-acre gymnasium divisible into six separate pneumatically sealed gymnasiums. A vast complex of tennis courts and baseball, lacrosse, field hockey, soccer, and football fields is also located on the South Campus.

ADMISSION

Students seeking admission to the School of Health and Physical Education must meet the basic requirements of the College (see Admission to West Chester).

Admission to the Degree Program in Health and Physical Education. Applicants must have participated in both physical education classes and extracurricular athletic programs in secondary school. A pre-admission interview conducted by School faculty evaluates the candidate's evidence of leadership and the extent of participation in athletic programs.

Admission to the Degree Program in Health Education. A pre-admission interview conducted by Department of Health Education faculty members evaluates the applicant's personal qualifications for admission.

Transfer Students—see three items pertaining to transfer students under Admission to West Chester.

Professional Requirements for Health and Physical Education Majors

Students in the dual major must purchase uniforms. (See "Additional Costs" in Fees/Expenses.) As a prerequisite for Senior Standing, students in the dual major must have completed the extracurricular and sports credit requirement of the Department of Physical Education.

MEN'S INTERCOLLEGIATE ATHLETIC PROGRAM

West Chester regards athletic activities as an important part of the college experience—indeed, as a facet of education. The underlying purpose of West Chester's athletic program is the development of enduring educational values. Important also is the training given to those who will later become coaches.

The athletic program is administered by the

School of Health and Physical Education. To permit as many men students as possible to participate, the School offers a wide variety of activities, including football, baseball, basketball, soccer, track, wrestling, swimming, tennis, gymnastics, golf, and cross-country. Schedules are sought which, while in the College's class, measure up to the high athletic traditions and standing of West Chester.

West Chester is a member of the National Collegiate Athletic Association, the Middle Atlantic States Collegiate Athletic Conference, the I.C.4A., the Pennsylvania State College Athletic Conference, and a charter member of the Eastern Collegiate Athletic Conference.

West Chester's new Health and Physical Education Center and field complex afford excellent facilities and equipment for the College's broad and varied athletic program. All coaches are faculty members.

Men's Intramural Athletics

Believing that an athletic program is not educationally justified if confined to intercollegiate competition, West Chester provides a variety of athletic activities for all students. For men, such sports as touch football, swimming, soccer, tennis, basketball, track, softball, and volleyball are available.

WOMEN'S ATHLETICS

West Chester provides a broad variety of team, individual, and dual sports activities for its women students. Through participation in the planning, organizing, and performance of these sports, leadership capabilities are developed. All women students are eligible to take part in women's intramural and intercollegiate sports programs.

Women's Intercollegiate Athletic Program

The intercollegiate program includes team and individual sports such as hockey, swimming, lacrosse, bowling, badminton, softball, gymnastics, basketball, tennis, and synchronized swimming, all of which provide competition with women of comparable abilities at other colleges. Participating students develop interest and skills in worthwhile leisure-time activities; promote cultural understanding through contacts with students from other colleges; and gain coaching experience. WIAP activities are conducted by the adviser of the program, the women coaches, and a student advisory council consisting of the varsity sports managers. The program is guided by the standards and policies of the Division of Girls' and Women's Sports, a wing of the American Association of Health, Physical Education, and Recreation.

Women's Intramural Athletics

For the social, physical, and recreational benefit of women students, the Women's Athletic Association conducts a broad program of intramural athletics. Club officers, sports managers, and a faculty adviser form the governing council. Activities include hockey, volleyball, basketball, tennis, softball, table tennis, lacrosse, and badminton. The organization fosters good sportsmanship and views personal satisfaction and enjoyment as the desired outcomes of sports activity. The WAA belongs to the National Athletic and Recreation Federation of College Women and the Pennsylvania Division of the Athletic and Recreation Federation of College Women.

B.S. IN HEALTH AND PHYSICAL EDUCATION

1. General Requirements	56 s.h.
SKILLS AND COMPETENCIES | 12 S.H.	
Composition I-II (Eng 101-102)	6
Fundamentals of Speaking (Sph 101)	2
Aquatics Fundamentals (PEd 140)	1
Foundations of Health I (HEd 171)	3
ARTS AND LETTERS | 15 S.H.	
Literature (two electives)	6
Art elective	3
Fine Arts (Music) (Mus 121)	3
Introduction to Philosophy (Phi 280)	3
SOCIAL SCIENCES | 15 S.H.	
Introduction to Anthropology: Cultural (Ant 102)	3
Introduction to Psychology (Psy 100)	3
Three electives in the social/behavioral sciences	9
SCIENCES | 11 S.H.	
Human Anatomy (Bio 209)	4
Human Physiology (Bio 309)	4
Introduction to Mathematics (Mat 103)	3
FREE ELECTIVES | 3 S.H.	
Free Electives	3

2. Professional Education Requirements	27 s.h.
School and Society (EdF 100)	3
Psychology of Learning and Development (EdP 250)	3
Evaluation in Health and Physical Education (PEd 351)	3
Preparation for Teaching Activities (PEd 243)	1
Physical Education for Elementary Grades (PEd 350)	3
Preparation for Classroom Teaching (HEd 373)	2
Student Teaching (PEd 490 for Men or PEd 491 for Women)	12

3. Health and Physical Education Core Requirements	38 s.h.
Physical Education	
Soccer/Wrestling (Men) (PEd 110)	1
Soccer/Basketball (Women) (PEd 111)	
Gymnastics I (Men) (PEd 112)	1
Gymnastics I (Women) (PEd 113)	
Aquatics Fundamentals (PEd 140) (Credited to General Requirements)	
Social Folk, Square Dance (PEd 141)	1
Tennis, Golf (PEd 142)	1
Badminton, Recreational Games, Lead-Up Games (PEd 143)	1
Touch Football/Basketball (Men) (PEd 210)	1
Hockey/Volleyball (Women) (PEd 211)	
Volleyball and Track/Field (Men) (PEd 212)	1
Lacrosse and Track/Field (Women) (PEd 213)	
Softball/Archery (PEd 241)	1
Fundamental Movement and Elementary Rhythms (PEd 242)	1
Principles of Recreation (PEd 250)	2
Physical Activity for Special Children (PEd 251)	3
Applied Physiology (PEd 352)	3
Organization and Administration of Physical Education and Athletics (PEd 353)	3
Kinesiology (PEd 361)	2
History and Philosophy of Health and Physical Education (PEd 451)	2
Health Education	
Foundations of Health I-II (HEd 171-172) (HEd 171 is credited to General Requirements)	3
Safety Concepts, Emergency Procedures, Injury Management (HEd 271)	2
School Health Program (HEd 371)	2
Human Development (HEd 372)	3
Other Fields	
Human Anatomy (Bio 209) (Credited to General Requirements)	
Human Physiology (Bio 309) (Credited to General Requirements)	
Chemistry and Man (Che 100)	3
Lab for Che 100 (Che 105)	1

4. Area of Emphasis Requirements 7–9 s.h.

At the end of the freshman year, the student selects an Area of Emphasis. The requirements which the student must meet for his Area are shown below.

AREAS OF EMPHASIS (SELECT ONE)

SECONDARY PHYSICAL EDUCATION EMPHASIS FOR MEN—8 S.H.

Required: Gymnastics II (PEd 310). Select six of the following activities courses: PEd 312-314-316-318-320 322-324-326-328-330. Select two courses (4 credits) from the following theory courses: PEd 452-453-454. Under advisement, two credits in Health Education may be chosen in place of one theory course.

SECONDARY PHYSICAL EDUCATION EMPHASIS FOR WOMEN—8 S.H.

Required: Modern Dance I (PEd 311). Select six of the following activities courses: PEd 313-315-317-319-321 323-325-327-329. Select two courses (4 credits) from the following theory courses: PEd 452-453-454-455. Under advisement, two credits in Health Education may be chosen in place of one theory course.

ELEMENTARY PHYSICAL EDUCATION EMPHASIS—7 S.H.

Required: Self-Testing Activities in Elementary School Physical Education (PEd 340); Elementary Physical Education Curriculum (PEd 354). Select either PEd 440 or PEd 453.

DANCE EMPHASIS—7 S.H.

Required: Modern Dance I-II (PEd 311-343); History of the Dance (PEd 344); Principles of Choreography (PEd 441). Select one dance course from PEd 341 or 342. Select one course from: PEd 442-443-469.

SAFETY EMPHASIS—9 S.H.

Required: Education for Safe Living (PEd 355); Principles and Practices of Driver and Traffic Safety Education (PEd 356); Preparation for Teaching Driver Education (PEd 456).

ATHLETIC TRAINING EMPHASIS—9 S.H.

Required: Therapeutics (PEd 357); Advanced Athletic Training I-II (PEd 358-359); Athletic Injury Management I-II (PEd 459-460). (459-460 are credited to Student Teaching.)

SPECIAL PHYSICAL EDUCATION EMPHASIS—8 S.H.

Required: Therapeutics (PEd 357); Pathology for Special Physical Education (PEd 360). Select either PEd 457 or Psychology of Exceptional Children (EdA 241).

SECONDARY HEALTH EDUCATION EMPHASIS—Minimum of 9 s.h.

Select from the following courses for a minimum of 9 semester hours: At least two courses from HEd 272-274-375-376. Any of these: Mental Hygiene (Psy 370); Contemporary Social Problems (Soc 332); Basic Ecology (Bio 201).

BACHELOR OF SCIENCE IN HEALTH EDUCATION

1. General Requirements	56 s.h.
SKILLS AND COMPETENCIES | 12 S.H.	
Composition I-II (Eng 101-102)	6
Fundamentals of Speaking (Sph 101)	2
Aquatics Fundamentals (PEd 140)	1
One elected course in physical activities	1
Community Health (HEd 272)	2
ARTS AND LETTERS | 15 S.H.	
Art (one elective)	3
Literature (two electives)	6
Fine Arts (Music) (Mus 121)	3
Introduction to Philosophy (Phi 280)	3
SOCIAL SCIENCES | 15 S.H.	
American Government (PSc 231)	3
Introduction to Psychology (Psy 100)	3
Introduction to Sociology (Soc 100)	3
Two electives in the social/behavioral sciences	6
SCIENCES | 11 S.H.	
Basic Biological Science (Bio 100)	4
Chemistry and Man (Che 100)	3
Lab for Che 100 (Che 105)	1
Introduction to Mathematics (Mat 103)	3
FREE ELECTIVES | 3 S.H.	
Free Electives	3

2. Professional Education	29 s.h.
School and Society (EdF 100)	3
Psychology of Learning and Development (EdP 250)	3
Audio-Visual Education (EdM 300)	2
Human Development (HEd 372)	3
Preparation for Classroom Teaching (HEd 373)	2
Field Experience in Health Education (HEd 374)	1
Evaluation in Health and Physical Education (PEd 351)	3
Student Teaching (HEd 490)	12

3. Specialized Preparation	36 s.h.
Foundations of Health I (HEd 171)	3
Safety Concepts, Emergency Procedures, Injury Management (HEd 271)	2
Observations in Community Health (HEd 273)	1
Addictive Diseases (HEd 274)	3
School Health Program (HEd 371)	2
Nutrition (HEd 375)	2
Family Life and Sex Education (HEd 376)	2
Seminar in Health Education (HEd 480)	3
Human Anatomy (Bio 209)	4
Social Psychology (Psy 354)	3
Human Physiology (Bio 309)	4
Mental Hygiene (Psy 370)	3
Electives chosen under advisement from Physical Education offerings	4

4. Electives, under advisement	7 s.h.

CERTIFICATION PROGRAM IN DRIVER EDUCATION AND SAFE LIVING

[Highway Safety and General Safety Education]

The standards for certification as approved by the Pennsylvania Department of Education, January 9, 1948, require twelve semester hours for the extension of a teacher's certificate to include this field. The following courses are offered by the School to satisfy the requirements:

		Semester Hours
PEd 355	Education for Safe Living	3
PEd 356	Principles and Practices of Driver Education and Traffic Safety	3
PEd 450	Methods and Materials of Safety Education	3
PEd 456	Preparation for Teaching Driver Education	3

A Program in Recreation Leadership

For students who desire to prepare as recreation leaders, the Department of Physical Education provides appropriate elective courses, in addition to related courses included in the requirements for the health and physical education major. The Department also offers a special program in camp leadership for staff members at children's summer camps. This supervised field experience is designed to aid the student's professional growth through work with children in the informal atmosphere of the camp.

Any West Chester student is eligible to participate in the field program. If credit is to be applied toward a degree, permission of his adviser should be obtained.

Students from other colleges may register, with the permission of the course instructor. They are advised to obtain approval from their own college in order to assure that credits from the course may be applied toward degree requirements. The available electives, as well as the summer field experience, are:

		Semester Hours
PEd 250	Principles of Recreation	2
PEd 367	Arts and Crafts in Recreation	3
PEd 370	Camping and Outing	3
Summer Field Experience:		
PEd 467	Supervised Camping Leadership	3

(6 to 8 weeks' attendance at camp July through August)

COURSE OFFERINGS IN HEALTH AND PHYSICAL EDUCATION

HEALTH EDUCATION

Symbol: HEd

The first number in parentheses shows number of class meetings per week; the second one shows semester hours of credit.

170 Health (2) (2)
Contemporary health problems of the college student.

171 Foundations of Health I (3) (3)
Fundamental knowledge of the major health problems.

172 Foundations of Health II (3) (3)
PREREQ: HEd 171.

271 Safety Concepts, Emergency Procedures, Injury Management (3) (2)

272 Community Health (2) (2)
Community health problems and services considered on the local, national, and international levels.

273 Observations in Community Health (2) (1)
Practical experience with and observations of agencies and people in public health.

274 Addictive Diseases (3) (3)
Thorough study of alcohol, drugs, and tobacco in relation to the individual and society.

370 Health for the Elementary Grades (3) (3)
Principles and procedures for meeting the health needs of the child.

371 School Health Program (3) (2)
School health services, environment, health instruction, and organization and administration of a school health program.

372 Human Development (3) (3)
Study of growth from conception through adolescence from the mental, emotional, and physical viewpoints.

373 Preparation for Classroom Teaching (3) (2)
A comprehensive study of the materials available in health education and the techniques for their proper implementation. PREREQ for health and physical education majors: HEd 172, 371. PREREQ for health education majors: HEd 171, 274, 371.

374 Field Experience in Health Education (2) (1)
Observations of classroom teaching in health education.

375 Nutrition (2) (2)
Practical approach to the role foods play in growth and development. Food fads and fallacies.

376 Family Life and Sex Education (2) (2)
Basic concepts and objectives of such a program for students at different age levels. Organizing, launching, and evaluating the program.

377 First Aid for Teachers (2) (2)
Prepares teachers to meet emergencies requiring first–aid procedures.

470 School/Community Health Workshop (3) (3)
A study of common problems relating to health for the home, school, and community.

471 Mental Health Workshop (3) (3)
A workshop designed to help educators improve their understanding of themselves and their students. Emphasis on ways to recognize mental health problems.

472 Workshop in Family Life and Sex Education (3) (3)
Basic concepts and objectives of such a program for students at different age levels. Organizing, launching, and evaluating the program. Summer only.

480 Seminar in Health Education (3) (3)
Concepts in health education, with emphasis on classroom problems, readings, and discussion. Mandated for health education majors with Senior Status.

490 Student Teaching (12)
Practical classroom experience in teaching health education.

PHYSICAL EDUCATION

Symbol: PEd

The first number in parentheses shows number of class meetings per week; the second one shows semester hours of credit.

101-102 Physical Activities I-II (2) (1) (2) (1)
A program of selected activities from the categories of: aquatics; individual sports; physical conditioning; team sports.

103–106-108-109 Elective Physical Activities III–IV V-VI (2) (1) for each course
Free–elective activities selected from categories listed under 101-102.

107 Music and Movement (2) (1)
A course which examines and develops the perception of rhythm through movement.

110 Soccer I/Wrestling (Men) (3) (1)

111 Soccer/Basketball (Women) (3) (1)

112 Gymnastics I (Men) (3) (1)
Introduction to elementary tumbling and vaulting with emphasis on teaching progression, spotting techniques, and class safety.

113 Gymnastics I (Women) (3) (1)
Apparatus skills, stunts, tumbling, and pyramids for teaching all age levels.

140 Aquatics Fundamentals (3) (1)
Basic principles of swimming for all age and ability levels. A section devoted to life saving may lead to certification by the American Red Cross.

141 Social, Folk, Square Dance (3) (1)

142 Tennis/Golf (3) (1)

143 Badminton/Recreational Games/ Lead–Up Games (3) (1)

201 Practice and Theory in Elementary Physical Education (2) (1)
The basic organization, planning, and directing of the physical education program in the elementary school program.

202 Dance Activities in the Elementary Program (2) (1)
Fundamental rhythm; creative rhythms, singing games, and folk dances. Students acquire skills in these areas and are given leadership experience in class situations.

210 Touch Football and Basketball (Men) (3) (1)

211 Hockey and Volleyball (Women) (3) (1)

212 Volleyball and Track/Field (Men) (3) (1)

213 Lacrosse and Track/Field (Women) (3) (1)

241 Softball and Archery (3) (1)

242 Fundamental Movement and Elementary Rhythms (3) (1)
Fundamental locomotor and axial movement; music and rhythm in relationship. Rhythmical activities for the elementary program, with suggested teaching methods.

243 Preparation for Teaching Activities (3) (1)
Practice in teaching in all areas of physical education and development of appropriate lesson plans.

250 Principles of Recreation (2) (2)
Historical background of the play movement: theoretical explanations of play; the need for it and its place in education. Methods of recreation leadership.

251 Physical Activity for Special Children (3) (3)
A course of adapted physical education. Common childhood disabilities are studied, with emphasis on problems of a chronic nature. Also screening and practical training, working with physically and mentally handicapped children.

310 Gymnastics II (Men) (3) (1)
An introduction to elementary gymnastics apparatus including trampoline, with emphasis on teaching progression, spotting techniques, and class safety. PREREQ: PEd 112.

311 Modern Dance I (3) (1)

312 Tennis II (Men) (9 weeks) (3) (½)
PREREQ: PEd 142.

313 Tennis II (Women) (9 weeks) (3) (½)
PREREQ: PEd 142.

314 Track and Field II (Men) (9 weeks) (3) (½)
PREREQ: PEd 212.

315 Track and Field II (Women) (9 weeks) (3) (½)
PREREQ: PEd 213.

316 Basketball II (Men) (9 weeks) (3) (½)
PREREQ: PEd 210.

317 Basketball II (Women) (9 weeks) (3) (½)
PREREQ: PEd 111.

318 Lacrosse I (Men) (9 weeks) (3) (½)

319 Lacrosse II (Women) (9 weeks) (3) (½)
PREREQ: PEd 213.

320 Baseball (Men) (9 weeks) (3) (½)

321 Volleyball II (Women) (9 weeks) (3) (½)
PREREQ: PEd 211.

322 Soccer II (Men) (9 weeks) (3) (½)
PREREQ: PEd 110.

323 Hockey II (Women) (9 weeks) (3) (½)
PREREQ: PEd 211.

324 Football (Men) (9 weeks) (3) (½)

325 Officiating I (Women) (9 weeks) (3) (½)
Ethics and techniques of officiating hockey or basketball.

326 Wrestling II (Men) (9 weeks) (3) (½)
PREREQ: PEd 110.

327 Gymnastics II (Women) (3) (1)
Teaching and coaching techniques for apparatus stunts, tumbling, pyramids. PREREQ: PEd 113.

328 Gymnastics III (Men) (9 weeks) (3) (½)
Advanced coaching techniques and administrative requirements involving the varsity gymnastics program. Includes emphasis on officiating, judging, and film analysis.

329 Life Saving (Women) (9 weeks) (3) (½)
Diagnosis and practice of life saving skills and techniques. Successful completion of this course may enable the student to receive senior life saving certification.

330 Life Saving (Men) (9 weeks) (3) (½)
See PEd 329.

331 Aquatics Leadership (3) (2)
Leadership procedure in aquatics activities for schools and school camps. Swimming strokes and life saving techniques are analyzed. Opportunity to qualify as a waterfront safety instructor.

340 Self Testing Activities in Elementary School Physical Education (2) (2)
Students are assigned to elementary schools in the service area for teaching and observation. Course includes a weekly seminar on theory and problems.

341 Advanced Social and Square Dance (3) (1)
PREREQ: PEd 141.

342 Advanced Folk Dance (3) (1)
PREREQ: PEd 141.

343 Modern Dance II (3) (1)
PREREQ: PEd 311.

344 History of Dance (3) (2)
Evaluation of dance as an art form in relation to man and his society. Physiological, sociological, and psychological implications; dance forms and types. Film and other materials focus on parallel developments in related arts.

350 Physical Education for Elementary Grades (3) (3)
Students are assigned to elementary schools in the service area for teaching and observation. Course contains weekly seminar on theory and problems. PREREQ: PEd 243.

351 Evaluation in Health and Physical Education (3) (3)
Selecting, administering, scoring, and evaluating tests of physical fitness, general motor ability, motor educability, and skill and knowledge.

352 Applied Physiology (3) (3)
The application of physiological principles to physical education.

353 Organization and Administration of Physical Education and Athletics (3) (3)
Principles of program building in curricular and extracurricular physical education; organizing, administering, and supervising intramural and interscholastic athletic programs.

354 Elementary Physical Education Curriculum (3) (3)
Constructing and evaluating the curriculum in elementary physical education. Progression and continuity, along with developmental needs and interests of children, are considered.

355 Education for Safe Living (3) (3)
Survey of safety education. History, philosophy, and psychology of accident prevention.

356 Principles and Practices of Driver Education and Traffic Safety (3) (3)

357 Therapeutics (6) (3)
A course for those interested in becoming specialized in adapted physical education and athletic training. Experience in the use of exercise techniques and physical modalities. The psychological basis, indications, and contra-indications are presented. PREREQ: HEd 271.

358 Advanced Athletic Training I (3) (3)
A course designed to provide practice experiences in the application of various methods in management of athletic injuries and a review of preventive measures and medical management of athletic injuries. PREREQ: PEd 357.

359 Advanced Athletic Training II (3) (3)
A review of special problems. PREREQ: PEd 358.

360 Pathology of Special Physical Education (2) (2)
Considerations of the commonly seen disabling conditions in special physical education with regard to anatomical and physiological changes and differences in their prognosis.

361 Kinesiology (2) (2)
Basic fundamentals of movement, articulation, muscular actions; analysis of the related principles of mechanics.

367 Arts and Crafts in Recreation (3) (3)
Theoretical and practical applications of arts and crafts as recreative outlets for all age groups. Arts and crafts materials customarily found in school, camp, and community recreation programs are used.

370 Camping and Outing (3) (3)
Theory and practice in camping and outing programs, approached from viewpoints of the camper, counselor, supervisor, specialists, and director.

378 Facilities and Equipment in Health and Physical Education (2) (2)
Principles and procedures of planning. Practical and functional design of indoor and outdoor areas and facilities.

440 Movement Education in Elementary Physical Education (2) (2)
Teaching techniques and subject matter for a program of movement education suitable for children. Designed to help children develop awareness of the body and space in order to develop effective movement patterns.

441 Principles of Choreography (3) (1)
The art of dance composition. Basic elements of space, rhythms, and motion dynamics. Students design original movement, progressing from simple to complex solo and group forms. PREREQ: PEd 311.

442 Dance Notation Improvisation (3) (1)
Course designed to give the student exposure to improvisational themes and elementary dance recordings. PREREQ: PEd 341 or 343 or 443.

443 Dance and Theater Arts (3) (1)
Dance as a performing art. Past and contemporary theatrical dance forms: accompaniment, costume, sets, and lighting. Students stage complete theatrical productions.

450 Methods and Materials of Safety Education (3) (3)
A study of the total safety program, with emphasis on the teaching of safety. Each student prepares a practice lesson.

451 History and Philosophy of Health and Physical Education (2) (2)
A study of past and present concepts of physical education; philosophy and principles of modern physical education programs.

452 Principles of Coaching (2) (2)
Principles and methods of coaching sports in the school program.

453 Motor Learning (2) (2)
A study of the theories of learning in relation to the acquisition of motor skills.

454 Theories and Practices of Conditioning and Training (2) (2)
Theory of sports medicine; administration of an athletic training program including medical coverage, facilities, equipment, and diet; prevention and care of common injuries. PREREQ: HEd 271.

455 Officiating II (Women) (2) (2)
Ethics and techniques of officiating sports other than hockey and basketball. PREREQ: PEd 325.

456 Preparation for Teaching Driver Education (3) (3)

457 Psychology of Physical Disability (3) (3)
A course designed for students in special education. Psychology applied to physical disability; personal and cultural implications of handicaps; the psychooynamics of disability.

458 Physical Disabilities of Childhood (2) (2)
A course designed for students in special education. Common orthopedic and neurological disabilities of childhood, especially chronic deviations. Emphasis is on understanding the medical aspects and problems of rehabilitation.

459 Athletic Injury Management I (3) (3)
A practical course designed to provide the student with guided exposure to experiences normally found in an athletic training program supporting fall and winter sports. PREREQ: PEd 359.

460 Athletic Injury Management II (3) (3)
A practical course designed to provide the student with guided exposures to experiences normally found in the athletic training program supporting winter and spring sports. PREREQ: PEd 459.

467 Supervised Camping Leadership (Arranged) (3)
A program in camp leadership at children's summer camps. PREREQ: consent of instructor.

469 Independent Study in Dance (1-2)
A student may elect to conduct a study or project commensurate with his interests and backgrounds. PREREQ: approval of Coordinator of Women's Activities.

490 Student Teaching (Men) (12)
Observation and participation in teaching situations in the junior and senior high schools under qualified cooperating teachers and College supervisors.

491 Student Teaching (Women) (12)
See PEd 490.

School of Music

Charles A. Sprenkle, *Dean*

Alexander Antonowich, *Associate Dean*

Ira C. Singleton, *Associate Dean for Graduate Studies and Research*

Department of Theory and Composition

Department of Music History and Literature

Department of Music Education

Department of Keyboard Music

Department of Vocal and Choral Music

Department of Instrumental Music

PROFESSORS

ANTONOWICH
CAREY
COHEN
FLETCHER
JOHNS
MOORE
MUNGER
PENNINGTON
PFLIEGER
SCHICK
SCHMIDT
SINGLETON
SPRENKLE
STRINGER
THOMSON
VELETA
WILKINSON
WRIGHT

ASSOCIATE PROFESSORS

ALT
BARROW
BEDFORD
BELMAIN
BOERLIN
CARSON
FRENZ
FRIDAY
GANGEMI
GOTTLIEB
KLEIN
McHUGH
MARKOW
MERRELL
PETHES
SHEPPARD
SMITH
STEVENS (PART-TIME)
SWEET
VANDEVER
VOOIS
WAGNER
WALLACH
WEISS
WELLS
WHITTEN
WILLIAMS

ASSISTANT PROFESSORS

BEATTY
COLLINS
CONAWAY
GLICKMAN (PART-TIME)
GUIDETTI
LAUDERMILCH
MELBY
NELSON
NORTHEIMER
ROPER
SOUTHALL
SULLIVAN
THOMAS

INSTRUCTORS

BREUNINGER (PART-TIME)
GOEBEL (PART-TIME)
SWARTLEY (PART-TIME)

BACHELOR OF SCIENCE IN MUSIC EDUCATION

BACHELOR OF ARTS IN MUSIC

BACHELOR OF MUSIC

THE School of Music offers three programs of study leading to undergraduate degrees:

[1] *Bachelor of Science in Music Education*: a balanced program of general, specialized, and professional courses leading to qualification for a Pennsylvania Instructional I Certificate to teach music in the elementary and secondary schools of Pennsylvania for three years. Three teaching concentration programs— general, instrumental, and vocal-choral—are provided.

[2] *Bachelor of Arts in Music*: a balanced program of courses which are general and specialized, providing a concentration area in either applied music or a combination of music theory and music literature; structured for students desiring a liberal-arts education with a major in music.

[3] *Bachelor of Music*: a balanced program of courses which are general, specialized, and professional for the performing musician; structured for students desiring a college degree and interested in such areas as professional performance, studio teaching, and church music.

ENTRANCE REQUIREMENTS

Candidates for admission to the School of Music must meet the general requirements for admission as indicated under Admission to West Chester. In addition, all candidates must appear for a personal interview and certain music tests, which vary according to the degree program sought.

The College will provide large instruments such as the tuba, string bass, or timpani for these tests. All smaller instruments must be brought to the College. All candidates will take the Seashore Test of Musical Talent, for which no preparation is necessary.

The following are acceptable as "major" instruments: violin, viola, cello, bass, trumpet, trombone, baritone, tuba, French horn, oboe, English horn, flute, clarinet, bassoon, and percussion (provided the candidate demonstrates an acceptable competence in playing various percussion instruments). The saxophone, guitar, and accordion are not considered acceptable major performance areas. However, the School of Music will audition a candidate on these instruments if he believes the audition will demonstrate additional evidence of his background.

TRANSFER STUDENTS—consult the paragraphs headed "Transfer Students" and "College Policies for Students Transferring from a Non-Accredited Institution" under Admission to West Chester.

MUSIC TESTS—B.S. IN MUSIC EDUCATION

(1) Each candidate must demonstrate skill in at least one performing medium in which he excels: piano, organ, voice, or a band or orchestra instrument. It is preferable, although not required, for pianists and vocalists to perform at least part of their audition from memory.

(2) All candidates are tested in voice, piano, and sight singing.

(3) A piano, organ, or voice major who has had band or orchestra instrument experience is urged to demonstrate his ability on his instrument.

Note: Each candidate must bring music for the vocal, piano, and instrumental compositions he intends to perform, and should come prepared with a song that will demonstrate vocal range and quality.

MUSIC TESTS—B.A. IN MUSIC

Each candidate must demonstrate acceptable background in at least one performing medium. Those planning to elect the concentration in applied music must demonstrate an advanced level of accomplishment in an audition. Memorization is preferred for vocalists and pianists.

MUSIC TESTS—B.MUS.

Each candidate must demonstrate an advanced level of proficiency in the major area of performance as evidenced by his ability to perform compositions representing a variety of musical periods and must show potential as a professional performer. Memorization is required for pianists and vocalists.

NOTE

It is strongly recommended that candidates for the B.A. and B.Mus. degrees take all tests required for admission to the B.S. program. Doing so will be a great advantage in the event the candidate later chooses to enter the College in that program.

SCHOOL OF MUSIC DEGREE PROGRAMS

B.S. IN MUSIC EDUCATION

Candidates choose one of three teaching concentration programs—general, instrumental, or vocal–choral. They must satisfactorily complete 128 semester hours, distributed among the following areas:

1. General Requirements		52 s.h.
1. SKILLS AND COMPETENCIES | 12 S.H.		
a. English Composition	6	
b. Speech	2	
c. Health	2	
d. Physical Education	2	
2. ARTS AND LETTERS | 18 S.H.		
a. Literature	6	
b. Art	3	
c. Music	6	
d. Philosophy	3	
3. SOCIAL SCIENCES | 15 S.H.		
a. History	9	
b. Psychology	3	
c. Political Science	3	
4. SCIENCE (WITH LAB) | 7 S.H.	7	

2. Professional Requirements 24–26 s.h.

School and Society (EdF 100)
The Music Curriculum, K-12: Methods and Materials (Mus 331)
Methods course or courses in the Teaching Concentration 2-4 hrs.
Psychology of Learning and Development (EdP 250)
Student Teaching, Practicum, and Direction of Student Activities (Mus 431)

3. Specialized Preparation 50–52 s.h.

Theory of Mus I–II-III-IV (Mus 112-113-212-213)
Aural Activities I-II-III-IV (Mus 114-115-214-215)
Music in Western Civilization I-II (Mus 221-222) (221-222 credited to General Requirements)
Conducting course or courses in the Teaching Concentration 2-4 hrs.
Major Performing Area (Individual Lessons) 8 hrs.
Minor Performing Area (Individual Lessons) 4-6 hrs.
Minor Performing Area (Class) 3½-8½ hrs.
Musical Organization 4½-7 hrs.
Electives 0-7½ hrs. (Chosen from list below)

MUSIC ELECTIVES AVAILABLE

THEORY AND COMPOSITION

Mus 312–313 Counterpoint I–II
Mus 314 Musical Form
Mus 315 Orchestration
Mus 318 Techniques of 20th Century Composition
Mus 412–413 Composition I–II

MUSIC HISTORY AND LITERATURE

Mus 224–225 Keyboard Literature I–II
Mus 226 Art Song
Mus 322 American Music
Mus 323 Aesthetics and Music Criticism
Mus 324–325 String Literature I–II
Mus 326–327 Woodwind Literature I–II
Mus 328–329 Brass Literature I–II
Mus 340 Medieval Music
Mus 341 Renaissance Music
Mus 342 Baroque Music
Mus 343 Late 18th Century Music
Mus 344 Romantic Music
Mus 345 Contemporary Styles
Mus 421–422 Musico-Dramatic Production I–II
Mus 424 Development of the Opera
Mus 425 Literature of Orchestral Music
Mus 426 Choral Repertoire
Mus 428 Chamber Music Literature

MUSIC EDUCATION

Mus 334 Teaching Music Appreciation in the Elementary Grades
Mus 335 Choral Materials and Practices
Mus 336 Piano Methods (Class)
Mus 337 Instrumental Techniques and Materials (Required in Music Education program—Instrumental Teaching Concentration)
Mus 338 Piano Pedagogy

APPLIED MUSIC

Individual Lessons, Musical Organizations, Ensembles, Master Classes, Conducting Courses (Choral and Instrumental)

BACHELOR OF ARTS

1. General Requirements 62 s.h.
   See Page 45.

The required 6 hrs. of a foreign language must be through the intermediate (201-2) level.

2. Music Concentration Requirements 56 s.h.

Required Core (44 s.h.)

Music in Western Civilization I–II (Mus 221-222)
(Mus 221 credited to General Requirements)
Aesthetics and Music Criticism (Mus 323)
Theory of Music I-II-III-IV (Mus 112-113-212-213)
Aural Activities I-II-III-IV (Mus 114-115-214-215)
Counterpoint I (Mus 312)
Performance Area (Individual Lessons) (8 hours)
Minor Performance Area (Individual Lessons) (2 hours)
Musical Organization (2 hours)
Conducting (Choral or Instrumental) (2 hours)
Music History—Literature Elective (3 hours)

Required Courses in Major Area of Concentration (12 s.h.)

Elect Either A. or B.

A. For students electing a concentration area of Applied Music:

Major Performing Area (Individual Lessons) (4 hours)
Special Elective Requirement of Concentration Area (under advisement) (8 hours)

B. For students electing a concentration area in the combination of Theory-Music History and Literature:

Required:
Counterpoint II (Mus 313)
Orchestration (Mus 315)
Techniques of 20th Century Composition (Mus 318)

Three additional courses chosen from: Mus 340 through 345 or Mus 424, 425, or 428.

3. Electives 10 s.h.

These courses may be chosen under advisement from other curricula or from the list "Music Electives Available" under B.S. in Music Education above.

BACHELOR OF MUSIC

1. General Requirements 50 s.h.

1. SKILLS AND COMPETENCIES | 16 S.H.

a.	English Composition	6
b.	Foreign Languages (Need not be at intermediate level)	6
c.	Health	2
d.	Physical Education	2

2. ARTS AND LETTERS | 17 S.H.

a.	English Literature	3
b.	English or Language Literature	3
c.	Art	3
d.	Music	3
e.	Aesthetics	2
f.	Philosophy	3

3. SOCIAL SCIENCES | 6 OR 9 S.H.

a.	History	6
b.	Psychology (unless Mathematics, shown below, is chosen)	3

4. SCIENCE | 3 OR 6 S.H.

a.	Physical Science (Acoustics)	3
b.	Mathematics (unless Psychology, shown above, is chosen)	3

5. ELECTIVES | 5 S.H.

(Chosen from all curricula) 5

2. Music Concentration Requirements 78 s.h.

A. Required Core (60 s.h.)

Music in Western Civilization I-II (Mus 221-222)
(Mus 221 credited to General Requirements)
Theory of Music I-II-III-IV (Mus 112-113-212-213)
Aural Activities I-II-III-IV (Mus 114-115-214-215)
Counterpoint I (Mus 312)
Major Performance Area (16 hours)
Minor Performance Area (4 hours)
Musical Organization (2 hours)
Conducting (Choral or Instrumental) (2 hours)
Master Class and/or Ensemble (4 hours)
Literature (Applied Major) (4 hours)
Music History-Literature Elective (3 hours)

B. Electives (18 s.h.)

These courses may be chosen, under advisement, from the list "Music Electives Available" under B.S. in Music Education above. Voice majors are required to elect 9 hours of a foreign language. (These language studies may be at any level.)

BUXTEHUDE

DEPARTMENT OF THEORY AND COMPOSITION

WRIGHT, *Chairman;* BEATTY, GANGEMI, MELBY, MUNGER, NELSON, SULLIVAN, WILKINSON, and Staff.

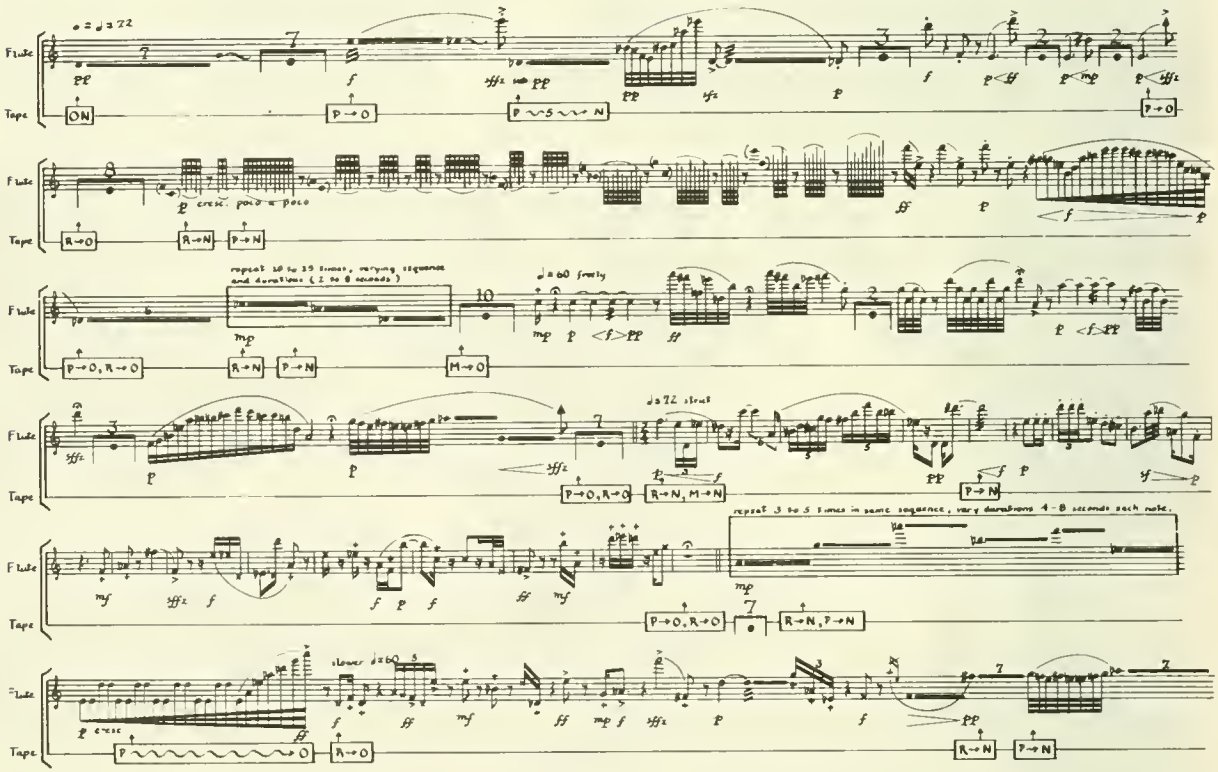
Mus 111 Foundations of Music I (3)
Fundamentals of music theory for non-music majors. An integrated course developing basic skills in ear training, sight singing, keyboard harmony, and music writing.

Mus 112 Theory of Music I (3)
Fundamentals of music theory, music writing, keyboard harmony. Elements of musical form and the rounded binary form. The diatonic triads in root position. Analysis and creative activity.

Mus 113 Theory of Music II (3)
Inversions of diatonic triads and the chord of the seventh. The invention and sonata–allegro forms. Analysis and creative activity. PREREQ: Mus 112.

Mus 114 Aural Activities I (2)
Development of basic hearing skills, chiefly through sight singing and dictation activities based upon the subject matter of Mus 112. Scheduled concurrently with Mus 112 (or with Mus 112 as a prerequisite).

Mus 115 Aural Activities II (2)
Continued development of basic hearing skills. Scheduled concurrently with Mus 113 (or with Mus 113 as a prerequisite).



Larry A. Nelson

Mus 211 Foundations of Music II (3)
For non-music majors. Continuation of the basic skills developed in Mus 111.

Mus 212 Theory of Music III (3)
Modulation, applied dominant, the ninth chord, and chromatic sonorities. Ternary form, variation, and fugue. Analysis and creative activity. PREREQ: Mus 113.

Mus 213 Theory of Music IV (3)
Harmonic and contrapuntal techniques of the 20th century. The rondo and concerto forms. Analysis and creative activity. PREREQ: Mus 212.

Mus 214 Aural Activities III (2)
Material of advanced difficulty involving chromatic alteration, foreign modulation, and intricate rhythms. Scheduled concurrently with Mus 212 (or with Mus 212 as a prerequisite).

Mus 215 Aural Activities IV (2)
Continuation of Mus 214 and activities involving nontonal music. Scheduled concurrently with Mus 213 (or with Mus 213 as a prerequisite).

Mus 312 Counterpoint I (2)
The contrapuntal techniques of tonal music. Chorale prelude and invention. PREREQ: Mus 212.

Mus 313 Counterpoint II (2)
Advanced contrapuntal forms including canon and fugue. PREREQ: Mus 312.

Mus 314 Musical Form (2)
The standard forms of tonal music based on the treatises of Goetschius and Salzer. PREREQ: Mus 212.

Mus 315 Orchestration (2)
The orchestra; use of instruments individually and in combination. PREREQ: Mus 212.

Mus 318 Techniques of Twentieth Century Composition (2)
A study of the technical aspects of contemporary music. Writing "in the style of," etc. PREREQ: Mus 212.

Mus 412 Composition I (2)
Creative writing in the forms, styles, and media best suited to the capabilities and needs of the student. PREREQ: Mus 212.

Mus 413 Composition II (2)
Further application of Mus 412, stressing contemporary techniques. PREREQ: Mus 412.

Mus 414 Musical Acoustics (3)
The study of sound: its production, transmission, and reception. Musical instruments, the acoustics of rooms, and the physical basis of scales.

DEPARTMENT OF MUSIC HISTORY AND LITERATURE

THOMSON, *Chairman;* COHEN, PFLIEGER, SCHMIDT, WELLS, and Staff.

Mus 121 Fine Arts [Music] (3)
An introductory course in the history and appreciation of music from the Middle Ages through the Contemporary Period. Not open to music majors or elementary education students with an Area of Interest in music. Usually taken to meet the music requirement in General Requirements. Students may substitute Mus 122 or 123; those who have sufficient musical background may, under advisement, substitute Mus 221 or 222.

Mus 122 Music History I (3)
The history and appreciation of music from the earliest times through the Baroque Period. Musical forms, aesthetic concepts, and practices. Analysis and listening experience. A course intended primarily for students in arts and letters. Students with sufficient musical background may, under advisement, substitute Mus 221.

Mus 123 Music History II (3)
The history and appreciation of music from the Classical through the Contemporary Period. Continuation of Mus 122. Students with sufficient musical background may, under advisement, substitute Mus 222.

Mus 221 Music in Western Civilization I (3)
A history of music from earliest known times through the Baroque Period—to 1750. Analysis of styles, forms, aesthetic concepts, and practices.

Mus 222 Music in Western Civilization II (3)
A history of music from the Classical through Contemporary Period. Analysis of styles, forms, aesthetic concepts, and practices.

Mus 224 Keyboard Literature I (2)
A survey of literature for keyboard instruments from the Baroque Period through the late Classical Period. The various styles in solo and ensemble literature are illustrated by recordings and performance by keyboard majors.

Mus 225 Keyboard Literature II (2)
A continuation of Mus 224. Performance by keyboard majors and recordings. Literature from the Romantic through the Contemporary Period is studied.

Mus 226 Art Song (2)
Origins and development of the art song.

Mus 322 American Music (2)
A cursory examination of music from the Puritan Era to 1880. Analysis of art music from MacDowell to the contemporary scene. Aimed toward developing keener aural perception of the creative process, both for the musician and the layman.

Mus 323 Aesthetics and Music Criticism (2)
The nature of aesthetic experience and various problems in the philosophy of art. Principles of criticism related to music and its performance.

Mus 324 String Literature I (2)
A survey of literature for string instruments from the pre-Baroque through the Classical Period. Study of style, form, and analysis; performance. Students, performing on their major instruments, and pertinent recordings provide illustrative literature.

Mus 325 String Literature II (2)
A continuation of Mus 324, pursuing the same format and considering literature of the Romantic and Contemporary Periods.

Mus 326 Woodwind Literature I (2)
A survey of literature for flute, oboe, clarinet, and bassoon from the Baroque and Classical Periods. Recordings and performance by woodwind majors.

Mus 327 Woodwind Literature II (2)
A continuation of Mus 326. The Romantic and Contemporary Periods are studied.

Mus 328 Brass Literature I (2)
The nature and development of brass instruments, observed in the solo, ensemble, and orchestral literature of the 16th, 17th, and 18th centuries.

Mus 329 Brass Literature II (2)
A continuation of Mus 328, beginning with the introduction of pistons and valves in the 19th century and proceeding through the 20th century to the present.

Mus 340 Medieval Music (2)
Development of plainsong and secular monody and beginnings of early history of polyphony through the 14th century. Consideration of contemporary trends in the visual arts, history, and literature.

Mus 341 Renaissance Music (2)
Sacred and secular music in the Age of Dufay; changing forms and styles through the music of the Franco-Flemish Groups; the frottola and related forms; Palestrina and his contemporaries, with a brief consideration of contemporary trends in the visual arts, history, and literature.

Mus 342 Baroque Music (2)
Styles and forms of Baroque repertoire; contributions of the major Baroque composers; role of music and musicians in the society of the Period.

Mus 343 Late 18th Century Music (2)
Changing styles and forms in: the sons of J. S. Bach; the Viennese pre-classicists; the Mannheim School; opera; Joseph and Michael Haydn, Mozart, and their contemporaries; the early works of Beethoven.

Mus 344 Romantic Music (2)
Historical developments during the Romantic Period (circa 1800-1900). Analysis of changes and trends; comparative aspects of new forms.

Mus 345 Contemporary Styles (2)
Trends in modern music from about 1900 to the present. Analysis and listening experience.

Mus 421 Literature of the Musical Theater (2)
The literature of the musical theater from Singspiel to Broadway Musical. Changes in style are observed and analyzed.

Mus 422 Musico-Dramatic Production I (2)
A study of the arts and crafts required in a musical production: coaching, set designing and construction, stage movement, choreography, and costuming.

Mus 423 Musico-Dramatic Production II (2)
A continuation of Mus 422 with emphasis on student direction.

Mus 424 Development of the Opera (2)
A basic course in the origin and development of the opera and its dissemination throughout the Western World.

Mus 425 Literature of Orchestral Music (2)
A study of representative orchestral works: symphonies, concerti, suites, overtures, and others, from the Baroque Period to the present. Appreciation and analysis.

Mus 426 Choral Repertoire (2)
The development and performance style of the choral repertoire.

Mus 428 Chamber Music Literature (2)
Analysis of style and form of chamber music repertoire from the Baroque through Modern Period. Emphasis on appreciation as well as structure.

DEPARTMENT OF MUSIC EDUCATION

CAREY, *Chairman;* ANTONOWICH, BELMAIN, COLLINS, MERRELL, MOORE, NORTHEIMER, SINGLETON, STRINGER, and Staff

Mus 030 Fundamentals of Music (no credit)
For elementary education students who do not meet minimum requirements on a music fundamentals test. For these students the course is a prerequisite for Mus 231 and Mus 232. Intervals, scales, key signatures, and other fundamentals of musical notation are stressed.

Mus 231 Music for the Primary Grades (3)
Designed to equip the graduate to participate, under supervision, in the music program in the primary grades. Emphasis on basic keyboard skills, voice production, elements of music, and teaching procedures and materials. PREREQ: passing grade on a music fundamentals test.

Mus 232 Music for the Intermediate Grades (3)
Designed to equip graduates to participate, under supervision, in the music program in the intermediate grades. Emphasis on basic keyboard skills, voice production, elements of music, and teaching procedures and materials. PREREQ: passing grade on a music fundamentals test.

Mus 331 The Music Curriculum, K-12; Methods–Materials (4)
The study of music and the learning process: the music continuum; the listening program; intercultural music; programs and performances; basics of administration; related arts; the high school music major; evaluative techniques. Depth of study of specific aspects of the music program is altered to the needs of the student's teaching concentration.

Mus 332 Elementary Music Methods (3)
For elementary education majors with an Area of Interest in music. Human growth and musical development of children in the elementary grades. Emphasis on selection and analysis of materials, effective teaching procedures, and evaluative techniques.

Mus 333 Instrumental Methods (2)
Fundamentals underlying the development of instrumental programs in the public schools. Emphasis upon program organization and administration, teaching procedures, and materials.

Note that Mus 331 and Mus 333 are scheduled concurrently, normally in the junior year, in order to permit regular and ample opportunity for observation in area public schools.

Mus 334 Teaching Music Appreciation in the Elementary Grades (3)
Designed to enrich the music program throughout the grades, with emphasis on listening experiences. Effective materials and procedures as well as unit organization.

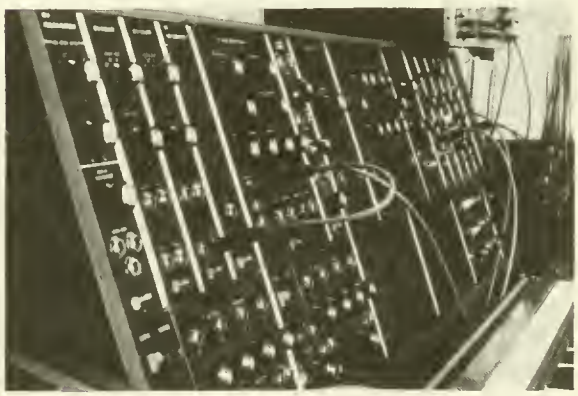
Mus 335 Choral Materials and Practices (2)
Designed to acquaint the student with the vast amount of choral music suitable for school use. Program building and rehearsal techniques are demonstrated.

Mus 336 Piano Methods [Class] (2)
For piano teachers and supervisors in the organization and teaching of piano classes in the public schools. Suitable teaching materials are examined and discussed. Demonstrations and student teaching.

Mus 337 Instrumental Techniques and Materials (2)
For juniors and seniors who desire to specialize in instrumental music. Considers rehearsal procedures, effective materials, minor repairs of instruments, competitions and festivals, and marching band procedures. PREREQ: Mus 333.

Mus 338 Piano Pedagogy (2)
Designed as preparation for studio teaching. Emphasis is on materials and varied approaches for the early stages of instruction.

Mus 431 Student Teaching, Practicum, and Direction of Student Activities (12)
Observation and participation in teaching vocal and instrumental music in situations ranging from the primary grades through senior high school. Undertaken in conjunction with qualified cooperating teachers. Professional conferences and visitations are an integral part of the experience.



DEPARTMENT OF KEYBOARD MUSIC

WHITTEN, *Chairman;* BEDFORD, FLETCHER, GLICKMAN, GOTTLIEB, MCHUGH, PENNINGTON, PETHES, SCHICK, STEVENS, VELETA, VOOIS, WALLACH, WEISS, and Staff.

NUMBERING SYSTEM

Private and class lessons given by the Department of Keyboard Music are shown by the following numbers, together with the appropriate prefix:

Pia – Piano Org – Organ

Course Number		Semester Hours
001–002	**Class instruction in minor performance area**	**½**
101–402	**Private instruction in minor performance area**	**1**
105–106	**Private instruction in minor performance area, Elementary Education students with Area of Interest in music**	**1**
107–109	**Private instruction in major performance area, Elementary Education students with Area of Interest in music**	**1**
111–412	**Private instruction in major performance area, Music Education program**	**1**
121–422	**Private instruction for Music Education students with Advanced Standing**	**1**
111–412	**Private instruction in major performance area, B.A. program**	**1 or 2**
141–442	**Private instruction in major performance area, B.Mus. program**	**2**

Mas 311-314 Master Class [Keyboard] (1)
For keyboard majors. Experience in performing memorized literature. Class members also play two-piano compositions and ensemble music for piano and other instruments. Keyboard trios, quartets, and quintets are analyzed and performed.

Pia 310 Accompanying (2)
A laboratory course in the principles of playing accompaniments to art songs, concertos, and Baroque recitatives; and in ways to realize continuos and make orchestral reductions at the piano.

Pia 400 Piano Class [Elementary Teachers] (3)
Piano accompaniments for classroom music activities; teaching of practical classroom materials.

DEPARTMENT OF VOCAL AND CHORAL MUSIC

SWEET, *Chairman;* ALT, CONAWAY, FRENZ, FRIDAY, MARKOW, SHEPPARD, THOMAS, VANDEVER, WAGNER, WILLIAMS, and Staff.

NUMBERING SYSTEM

Private and class lessons given by the Department of Vocal and Choral Music are shown by the following numbers, together with this prefix:

Voi – Voice

Course Number		Semester Hours
001–002	**Class instruction in minor performance area**	**½**
101–402	**Private instruction in minor performance area**	**1**
105–106	**Private instruction in minor performance area, Elementary Education students with Area of Interest in music**	**1**
107–109	**Private instruction in major performance area, Elementary Education students with Area of Interest in music**	**1**
111–412	**Private instruction in major performance area, Music Education program**	**1**
121–422	**Private instruction for Music Education students with Advanced Standing**	**1**
131–432	**Private instruction in major performance area, B.A. program**	**1 or 2**
141–442	**Private instruction in major performance area, B.Mus. program**	**2**

MxC 111-412 Mixed Chorus (½)
Designed to acquaint the student with choral literature for Mixed Chorus, Women's Chorus, and Men's Chorus. Program performance included.

MCh 111-112 Madrigal Choir (½)
Performance of music of the Renaissance and Baroque Periods. The performing choir is selected by audition.

MCl 111-112 Madrigal Class (½)
Performance techniques in the music of the Renaissance. Requirement for students in the Vocal-Choral concentration of the B.S. in Music Education program; may be met by Madrigal Choir.

OpC 111-112 Opera Chorus (½)
An elective course devoted to the training of a choral group which participates in opera or operetta productions. May not be used to satisfy choral credits. Membership by audition.

Cho 311-412 Choir (½)
Designed to give the student a wide association with the choral literature for mixed chorus. Music of high-school level as well as more difficult literature.

CCh 121-422 Concert Choir (½)
Devoted to acquiring a fine technique in choral singing through the preparation of programs for performance. Membership by audition.

WGC 111-412 Women's Glee Club (½)
An opportunity for non-music students to learn the choral literature for Women's Chorus. Membership by audition.

CCo 211 Choral Conducting I (2)
A practical application of conducting and vocal techniques in choral direction through practice in conducting a choral group.

CCo 212 Choral Conducting II (2)
Continued development of conducting techniques with stress on conducting of polyphonic choral music and on the musical styles of the various choral periods. PREREQ: CCo 211.

Mas 321-324 Master Class [Voice] (1)
Standard repertoire for various types of voices is performed and discussed.

DEPARTMENT OF INSTRUMENTAL MUSIC

CARSON, *Chairman;* BARROW, BOERLIN, BREUNINGER, GOEBEL, GUIDETTI, JOHNS, KLEIN, LAUDERMILCH, ROPER, SMITH, SOUTHALL, SWARTLEY, and Staff.

NUMBERING SYSTEM

Private and class lessons given by the Department of Instrumental Music are shown by the following numbers, together with the appropriate prefix:

Vln – Violin	Obo – Oboe
Vla – Viola	EnH – English Horn
Vcl – Cello	Clt – Clarinet
Bas – Bass	Bsn – Bassoon
Flu – Flute	Hrp – Harp
FrH – French Horn	Bar – Baritone
Tpt – Trumpet	Tba – Tuba
Trb – Trombone	Per – Percussion

Course Number		Semester Hours
001–002	**Class instruction in minor performance area (Except Vln 001–002: 1 credit each)**	**½**
101–402	**Private instruction in minor performance area**	**1**
105–106	**Private instruction in minor performance area, Elementary Education students with Area of Interest in music**	**1**
107–109	**Private instruction in major performance area, Elementary Education students with Area of Interest in music**	**1**
111–412	**Private instruction in major performance area, Music Education program**	**1**
121–422	**Private instruction for Music Education students with Advanced Standing**	**1**
131–432	**Private instruction in major performance area, B.A. program**	**1 or 2**
141–442	**Private instruction in major performance area, B.Mus. program**	**2**

SEn 111-412 String Ensemble (½)
Principles of ensemble playing through the performance of various types of chamber music.

WEn 111-412 Woodwind Ensemble (½)
Principles of ensemble playing through the performance of various types of chamber music.

BEn 111-412 Brass Ensemble (½)
Principles of ensemble playing through the performance of various types of chamber music.

PEn 111-412 Percussion Ensemble (½)
Principles of ensemble playing through the performance of compositions limited to instruments of the percussion family.

ElO 111-412 Elementary Orchestra (½)
Music for the beginning orchestra through performance. Emphasis on beginners' problems, organization, and techniques of string performance.

SyO 111-412 Symphony Orchestra (½)
Emphasis on performance of a wide variety of orchestral literature for concerts, accompanying student soloists, opera, and oratorio.

OST 111-412 Orchestral String Techniques (½)
Additional exposure to string orchestra literature and study of idiomatic string problems within regular orchestra parts.

EIB 111-412 Elementary Band (½)
Music for the beginning band through performance. Emphasis on beginners' problems, organization, and techniques of wind and percussion playing.

CMB 111-412 Concert and Marching Band (½)
Performance of the band literature suitable for junior high and senior high levels. Program building, balance, and rehearsal techniques are stressed. Members participate in Marching Band activities.

SMB 111-412 Symphonic and Marching Band (½)
The Symphonic Band emphasizes performance of a variety of band literature: standard repertoire, recently published compositions, and selections from festival lists. The Marching Band performs precision and theme drills at football games and plays for community and college functions.

Win 111-412 Wind Ensemble (½)
A band of 50 or 60 members composed of outstanding campus wind instrumentalists and percussionists. The ensemble performs difficult music selected mainly from contemporary works.

ICo 311 Instrumental Conducting I (2)
Development of conducting skills and techniques, score reading, and terminology. Works from the late 18th century are studied and conducted. PREREQ: CCo 211.

ICo 312 Instrumental Conducting II (2)
Continued development of conducting skills and score reading of more advanced music literature. Works from the Romantic and Contemporary Periods are studied and conducted. PREREQ: ICo 311.

Mas 331-334 Master Class [Strings] (1)
Standard repertoire for combinations of string instruments, including trios, quartets, quintets, and other groups involving piano, organ, and other instruments.

Mas 341-344 Master Class [Woodwinds] (1)
Repertoire from the Baroque Period to the present performed by ensembles of woodwind instruments. Solos are performed and discussed.

Mas 351-354 Master Class [Brasses] (1)
Repertoire for brass solo, homogeneous ensemble, and mixed ensemble is performed and discussed.

Mas 361-364 Master Class [Percussion] (1)
Repertoire for solo and ensemble music for percussion is performed and discussed.

School of Sciences and Mathematics

Russell K. Rickert, *Dean*

Department of Biology

Department of Chemistry

Department of Earth, Space, and General Sciences

Department of Mathematics

Department of Nursing

Department of Physics

BACHELOR OF ARTS

Biology

Mathematics

Physics

BACHELOR OF SCIENCE IN NURSING

BACHELOR OF SCIENCE

Chemistry

COOPERATIVE DEGREE PROGRAM FOR DENTAL HYGIENISTS

BACHELOR OF SCIENCE IN EDUCATION

Biology

Chemistry

Comprehensive Science

Earth and Space Science

Physics

Mathematics

DEPARTMENT OF BIOLOGY

Dr. Relis B. Brown, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
BROWN, R.		
CINOUINA	BERNHARDT	BLISS
DeMOTT	CULLEN	BROWN, W.
DORCHESTER	MARTINEZ	CURRY
OVERLEASE	McDONNELL	JONES
TREZISE	ROMIG	WEBSTER
	SKILLEN	
	WOODRUFF	

The major in biology centers about a core of courses which emphasize broad unifying principles. The foundation subjects—general biology, general botany, and general zoology—are followed by the integrative disciplines of genetics, ecology, and general physiology. Available electives provide enriching experiences in many areas of biology.

BACHELOR OF ARTS—Biology

The B.A. program in biology provides both the liberal education and the special preparation required for careers in college teaching, government service, independent and industrial research, science-related sales and public relations, and other areas of business. This program also prepares students to qualify for admission to graduate and professional schools.

1. General Requirements — 62 s.h.
   See Page 45.

The required 6 s.h. of foreign language through the intermediate level may be met in any language other than the student's native tongue providing the department approves.

2. Science Core Requirements — 22 s.h.

General Chemistry I-II (Che 103 and 108, 104 and 109)
(8 s.h. credited to General Requirements)
Organic Chemistry I-II (Che 231-232 and 237)
General Physics I-II (Phy 103-104)
Introduction to Calculus I (Mat 131)
(Credited to General Requirements)
Statistics (Mat 121)

3. Biology Concentration Requirements — 34 s.h.

General Biology (Bio 110)
General Botany (Bio 115)
General Zoology (Bio 117)
Genetics (Bio 330)
General Physiology (Bio 361)
Ecology (Bio 370)
Biology Seminar (Bio 490)
Electives in biology—9 s.h.

4. Electives — 10 s.h.

B.S. IN EDUCATION—Biology

1. General Requirements — 56 s.h.
   See Page 45.

2. Professional Education Requirements — 28 s.h.
   See Page 77.

3. Specialized Preparation — 42 s.h.

General Chemistry I-II (Che 103 and 108, 104 and 109)
(8 s.h. credited to General Requirements)
Introduction to Organic Chemistry (Che 230 and 235)
Statistics (Mat 121)
(Credited to General Requirements)
Contemporary Issues in Biology Teaching (Bio 150)
Teaching Biology in Secondary Schools (Bio 350)
(Credited to Professional Education)
General Biology (Bio 110)
General Botany (Bio 115)
General Zoology (Bio 117)
Genetics (Bio 330)
General Physiology (Bio 361)
Ecology (Bio 370)
Biology Seminar (Bio 490)
Electives in biology—9 s.h.

4. Electives — 2 s.h.

COURSE OFFERINGS IN BIOLOGY

Symbol: Bio

(3-2) represents 3 hours lecture and 2 hours lab.

100 Basic Biological Science (4)
Basic principles of biology. Cell theory, energy metabolism, genetics, development, diversity of life forms, and ecology. Not open to biology majors. (3-2)

101-102 Anatomy and Physiology for Nurses I-II (3-3)
Correlation of basic human structure with function, designed for student nurses with varying scientific backgrounds. (2-2) 101 must precede 102.

104 Microbiology for Nurses (4)
A fundamental background in principles of microbiology and the nature and epidemiology of microbial diseases. Emphasis on host-parasite interactions. Recent advances in immunology and serology. (3-2)

110 General Biology (4)
The concepts general to all living organisms such as the life of cells, genetics, evolution, ecology, and man's role in the living world. (3-3)

115 General Botany (4)
Survey of the plant kingdom with stress on anatomy, physiology, and economic importance of the plants in the various divisions from Chlorophyta to and including the Angiosperms. (3-3) PREREQ: Bio 110.

117 General Zoology (4)
Principles of animal biology. Form and fuction of vertebrate and invertebrate animal types. (3-3) PREREQ: Bio 110.

150 Contemporary Issues in Biology Teaching (1)
Secondary science curriculum, professional organizations, academic preparation of science teachers. (1-1)

200 Basic Genetics (4)
A course for non-major students. Mendelian laws of inheritance, cell structure, cell division, mechanics of monohybrid and dihybrid crosses, linkage, crossing-over, and probability. Not open to majors in elementary education or to students who have credit for Bio 100 or its equivalent. (3-2)

201 Basic Ecology (4)
A course for non-major students. The relationship between living things and their environments. Practical applications to the elementary school program. (3-2)

202 Anatomy of Speech and Hearing Mechanisms (3)
For majors in speech pathology and audiology. The neurological, respiratory, and skeleto-muscular implications of human anatomy involved in communication skills. (2-2) PREREQ: Bio 100.

209 Human Anatomy (4)
Structure of man: emphasis on the skeletal and muscular systems. (3-2)

215 Nonflowering Plants (3)
Structures and life histories of selected algae, liverworts, mosses, and club mosses. (2-3) PREREQ: Bio 115.

217 Invertebrate Zoology (3)
Life styles of examples from the vast variety of invertebrate animals. (2-3) PREREQ: Bio 117.

271 Wildlife Conservation (3)
Principles of conservation of plant and animal resources. Collateral reading assignments. PREREQ: Bio 100 or one semester of botany or zoology.

272 Field Ecology and Natural History (3)
Class and field work in natural history and ecology for the prospective teacher. Identification of local organisms and pertinent ecological concepts. Not counted toward a biology major. (2-3) PREREQ: permission of department.

275 Field Botany (3)
Methods of studying plants in their natural surroundings. Use of keys, botanical manuals, and illustrated floras to identify living specimens. (2-3) PREREQ: Bio 100 or 115.

277 Field Zoology (3)
Animal life in the surrounding localities. Identification, behavior, habitats, feeding, and reproduction. (2-3) PREREQ: Bio 100 or 117.

309 Human Physiology (4)
Basic human functions with emphasis on the circulatory, respiratory, and nervous systems. (3-2)

330 Genetics (4)
Laws of heredity in plants, animals, and man. Cell structure, molecular genetics, Mendelian inheritance, eugenics, linkage, probability, crossing-over, and random assortment. (3-2) PREREQ: Bio 100 or 110.

348 Embryology (3)
Introduction to principles of animal development; laboratory study of vertebrate embryos. (2-3) PREREQ: Bio 117, Che 104.

350 Teaching Biology in Secondary Schools (3)
Philosophy, objectives, and techniques of teaching biology and general science. Thorough analysis of curricular developments in both disciplines. Practical experience provided. (2-2) PREREQ: Upper Division standing.

356 Plant Structure (3)
Microscopic examination of plant cells. Interrelationship of cells, function of cells, and variations of cell anatomy. (2-3) PREREQ: Bio 115.

357 Comparative Anatomy of Vertebrates (3)
Comparative study of the principal organ systems of selected vertebrates as to their structure and evolutionary relationships. (2-4) PREREQ: Bio 117.

361 General Physiology (4)
General principles of physiology. Concept of homeostasis; nature of protoplasm; acid-base balance; bioenergetics; electrophysiology; enzyme activity. (3-3) PREREQ: Che 230 or 231, Bio 117, Mat 105 or equivalent.

362 Physiological Chemistry (3)
The chemistry of living processes. Biologically important compounds and their metabolism. (2-3) PREREQ: Che 230 or 231, Bio 117, Mat 105 or equivalent.

364 Bacteriology (4)
Microscopic forms of life commonly encountered in biological work. Culture techniques and physiological processes of microorganisms. (3-3) PREREQ: Bio 115, 117.

365 Plant Physiology (3)
Physiological processes of plants. Photosynthesis, respiration, intermediate metabolism, entrance of solutes into the plant, water metabolism, and growth regulators. (2-3) PREREQ: Bio 115, Che 230 or 231.

370 Ecology (4)
Relationship between living things and their environment approached through the study of individual ecosystems. The aquatic, forest, field, and urban ecosystems. (3-3) PREREQ: 8 hours of biology or permission of instructor.

377 Entomology (3)
Insects: their structure, functions, classification, economic importance, and biological significance. (2-3) PREREQ: Bio 117.

378 Ornithology (3)
Introduction to the birds of Pennsylvania with emphasis on field identification. Classification, migration, songs, courtship, nesting, care of young, and plumage changes. (2-3) PREREQ: Bio 100 or one semester of zoology.

412 Evolution (3)
The history, evidence, implications, and current status of the evolution theory. PREREQ: 2 years of college biology or consent of instructor.

421 Cytology (3)
Intracellular organization of plant and animal cells, correlated with structure, chemical constitution, and function. (2-3) PREREQ: Bio 115, 117, Che 104.

452 Parasitology (3)
Biology of the principal types of animal parasites. PREREQ: Bio 117.

457 Vertebrate Morphology I (4)
The comparative embryology, histology, and anatomy of vertebrate somatic systems. (2-6) PREREQ: Bio 117.

458 Vertebrate Morphology II (4)
The comparative embryology, histology, and anatomy of vertebrate visceral systems. (2-6) PREREQ: Bio 457.

478 Mammalogy (3)
Biology of mammals: structure and function, reproduction, development, behavior, geographic distribution, systematics, classification, and evolution. Management, economics, ecology, and conservation are stressed. (2-3) PREREQ: Bio 117.

485 Plant Taxonomy (3)
Principles of evolution as illustrated by the principles of plant taxonomy. Modern concepts of biosystematics. Practical experience in plant identification. (2-3) PREREQ: Bio 115.

490 Biology Seminar (1)
Reports on special topics and current developments in the biological sciences. PREREQ: 18 hours of biology.

491 Special Problems in Biology (1 to 3)
Tutorial course for advanced undergraduate biology majors capable of independent study and research on a problem approved by the supervising instructor. PREREQ: consent of instructor.

For courses in Marine Science, given in summer only, see Earth, Space, and General Sciences.

DEPARTMENT OF CHEMISTRY

Dr. Reynolds, Chairman

PROFESSORS	ASSOCIATE PROFESSORS
ASHKENAZ	FOERY
BRAVO	WILLIAMS
DURAND	
MEDEIROS	
REYNOLDS	
RUDNICK	
TOROP	

The basic core program in the specialization in chemistry is designed to provide a survey of the five principal branches of that science: analytical, biological, inorganic, organic, and physical chemistry. This is followed by a required sequence of courses covering the various areas of modern chemistry.

BACHELOR OF SCIENCE IN CHEMISTRY

The B.S. program in chemistry enables the student to receive basic preparation required for the career of his choice. Such choices could be college and university teaching, positions as professional chemists, research work, and various services in industry and government. In all cases, the program will prepare the student for graduate study in the field of chemistry.

1. General Requirements — 56 s.h.

1. SKILLS AND COMPETENCIES | 18 S.H.

a.	English Composition	6
b.	Speech	2
c.	Foreign Language German required, need not be at intermediate level. French or Russian (at 101-102 level) may be substituted if a reading proficiency in German is demonstrated.	6
d.	Physical Education	2
e.	Health	2

2. ARTS AND LETTERS | 12 S.H.

a.	Literature	6
b.	Art or Music	3
c.	Philosophy	3

3. SOCIAL SCIENCES | 12 S.H.

a.	History	6
b.	Psychology or Sociology	3
c.	Political Science or Economics	3

4. SCIENCES | 11 S.H.

a.	Science (with lab)	8
b.	Mathematics	3

5. FREE ELECTIVES | 3 S.H.

	Free Electives	3

2. Science Core Requirements — 6 s.h.

Physics I-II (Phy 101-102)
(Credited to General Requirements)
Introduction to Calculus I-II (Mat 131-132)
(Mat 131 credited to General Requirements)
Introduction to Computer Science (CSc 101)

3. Chemistry Concentration Requirements — 50 s.h.

General Chemistry I-II (Che 103-104)
Experimental General Chemistry I-II (Che 108-109)
Organic Chemistry I-II-III (Che 231-232-233)
Experimental Organic Chemistry I-II (Che 237-238)
Quantitative Analysis (Che 321)
Quantitative Analysis Laboratory (Che 326)
Physical Chemistry I-II-III (Che 341-342-343)
Experimental Physical Chemistry I-II (Che 347-348)
Advanced Inorganic Chemistry (Che 411)
Fundamentals of Biochemistry (Che 471)
Experimental Biochemistry (Che 476)

4. Science Electives — 9 s.h.

Chosen from offerings in chemistry, physics, and mathematics.

5. Free Electives — 7 s.h.

B.S. IN EDUCATION—Chemistry

1. General Requirements — 56 s.h.
See Page 45.

2. Professional Education Requirements — 28 s.h.
See Page 77.

3. Specialized Preparation 42 s.h.

Introduction to Calculus I-II (Mat 131-132)
(Mat 131 is credited to General Requirements)
General Physics I-II (Phy 103-104)
(Credited to General Requirements)
General Chemistry I-II (Che 103-104)
Experimental General Chemistry I-II (Che 108-109)
Organic Chemistry I-II (Che 231-232)
Experimental Organic Chemistry I (Che 237)
Quantitative Analysis (Che 321)
Quantitative Analysis Laboratory (Che 326)
Fundamentals of Physical Chemistry (Che 345)
(Che 341 may be substituted)
Basic Experimental Physical Chemistry (Che 349)
(Che 347 may be substituted)
History and Literature of Chemistry (Che 401)
Fundamentals of Biochemistry (Che 471)
Experimental Biochemistry (Che 476)
Teaching Science in Secondary Schools (ScE 350)
(Credited to Professional Education)
Elective in Earth and Space Science—3 s.h.

4. Free Elective 2 s.h.

COURSE OFFERINGS IN CHEMISTRY
Symbol: Che

100 Chemistry and Man (3)
Fundamentals of inorganic, organic, and biological chemistry as applied to the contemporary problems of mankind. A terminal course for non-science majors. Lab: Che 105.

101 Chemistry for Nurses (4)
Topics in inorganic, organic, and biological chemistry of medical and physiological significance. Standard laboratory experiments and clinical techniques. (3 hours lecture; 2 hours lab).

103-104 General Chemistry I-II (3) (3)
Basic laws and theories of chemistry including atomic structure, chemical bonding, oxidation-reduction, solutions, and ionic equilibria. Correlations of chemical principles and their application to modern descriptive chemistry. Labs: Che 108-109. 103 must precede 104.

105 Basic Experimental Chemistry (1)
Selected laboratory exercises illustrating fundamentals of inorganic, organic, and biological chemistry. CONCURRENT OR PREREQ: Che 100.

106-107 Chemistry: An Interdisciplinary Approach I-II (3) (3)
A beginning course with a descriptive approach for students who are not candidates for degrees in pure sciences. The relevance of chemistry to other sciences and to society. Labs: Che 108-109. 106 must precede 107.

108-109 Experimental General Chemistry I-II (2) (2)
Basic laboratory studies in college chemistry utilizing the quantitative approach. Semi-micro qualitative analysis and inorganic preparations. CONCURRENT OR PREREQ: Che 103-104 or 106-107. 108 must precede 109.

230 Introduction to Organic Chemistry (3)
A terminal course in fundamentals of organic chemistry. Structural theory of organic molecules; organic synthesis; and biological applications. Lab: Che 235. PREREQ: Che 109.

231-232-233 Organic Chemistry I-II-III (4) (3) (3)
A comprehensive study of the structure and reactions of organic molecules. Lab: Che 237-238. PREREQ: Che 104, 109. 231 must precede 232 which must precede 233.

235 Basic Experimental Organic Chemistry (2)
Fundamental laboratory techniques of organic chemistry and their application to organic synthesis. CONCURRENT OR PREREQ: Che 230.

237-238 Experimental Organic Chemistry I-II (2) (2)
Basic laboratory skills in organic chemistry including classical as well as instrumental techniques. Organic synthesis and modern spectrophotometric methods of identification. CONCURRENT OR PREREQ: Che 232-233. 237 must precede 238.

321 Quantitative Analysis (2)
Fundamental principles of analytical chemistry. Theory of gravimetric and volumetric methods of analysis. Lab: Che 326. PREREQ: Che 104, 109.

324 Instrumental Methods of Analysis (2)
Basic principles of applied instrumental analysis. Special emphasis on the use of spectrophotometric and electroanalytical instrumentation. Lab: Che 329. PREREQ: Che 326.

326 Quantitative Analysis Laboratory (3)
Practical experience in modern techniques of chemical analysis with particular emphasis on volumetric and gravimetric methods. CONCURRENT OR PREREQ: Che 321.

329 Instrumental Analysis Laboratory (3)
Practical experience in the choice and application of instrumental methods of analysis to chemical systems. CONCURRENT OR PREREQ: Che 324.

341-342-343 Physical Chemistry I-II-III (3) (3) (3)
The mathematical laws and theories of chemistry including thermodynamics, reaction kinetics, quantum and statistical mechanics, theory of chemical bonding and molecular structure. Lab: Che 347-348. PREREQ: Che 104, 109; Phy 102; Mat 132. 341 must precede 342 which must precede 343.

345 Fundamentals of Physical Chemistry (3)
Basic concepts and laws of thermodynamics, reaction kinetics, and solution equilibria. Other topics commensurate with interest and background of students. Lab: Che 349. PREREQ: Che 232, Mat 132; General Physics desirable but not required.

347-348 Experimental Physical Chemistry I-II (2) (2)
Laboratory exercises illustrating principles of thermodynamics; kinetics, and quantum mechanics. CONCURRENT OR PREREQ: Che 342-343. 347 must precede 348.

349 Basic Experimental Physical Chemistry (2)
Experiments illustrating the laws of physical chemistry. Precision measurements and the use of modern instrumentation. CONCURRENT OR PREREQ: Che 345.

401 History and Literature of Chemistry (2)
Historical background of chemistry; survey of literature of chemistry; instruction in the use of a modern chemical library. PREREQ: Upper Division Standing and permission of instructor.

403 Chemistry of the Environment (3)
The chemistry of the atmosphere, hydrosphere, and biosphere; man's impact upon these areas. PREREQ: Che 104 or 107.

411 Advanced Inorganic Chemistry (3)
The application of modern chemical theories to inorganic substances and reactions; the chemistry of the short and long transition elements. PREREQ: Che 104.

435 Qualitative Organic Analysis (4)
A laboratory course in classical and instrumental methods for identification of organic compounds. PREREQ: Che 232, 321. (2 hours lecture; 6 hours lab.)

471 Fundamentals of Biochemistry (3)
Structure and chemistry of proteins and nucleic acids; molecular biology, physio-chemical methods for biomacromolecules, enzymes, and the molecular basis for some physiological phenomena. Lab: Che 476. PREREQ: Che 345 or equivalent.

476 Experimental Biochemistry (2)
Laboratory exercises in the fundamentals of biochemistry. CONCURRENT OR PREREQ: Che 471.

480 Introduction to Chemical Research (2 to 6)
Information retrieval and chemical research under direct supervision of a staff member. Six to 18 hours of literature search and chemical research. PREREQ: Senior Standing and permission of department chairman.

491 Seminar in Chemistry (1)
Oral presentation of papers based upon laboratory or library research. PREREQ: Senior Standing and permission of department chairman.

DEPARTMENT OF EARTH, SPACE, AND GENERAL SCIENCES

Dr. Greenberg, Chairman

PROFESSORS	ASSOCIATE PROFESSORS
GREENBERG	CASCIATO
REED	EHLEITER
RICKERT	HARBER
TOROP	WIDICK

The Department of Earth, Space, and General Sciences offers two programs leading to the Bachelor of Science in Education. Both are designed to prepare teachers for secondary schools and are ideal for students who plan to teach the junior high school sciences.

B.S. IN EDUCATION—Comprehensive Science

1. General Requirements — 56 s.h.
   See Page 45.

2. Professional Education Requirements — 28 s.h.
   See Page 77.

3. Specialized Preparation — 44 s.h.

One year (8 s.h.) of biology
(Credited to General Requirements)
General Chemistry I-II (Che 103 and 108, 104 and 109)
General Physics I-II (Phy 103-104)
General Astronomy (ESS 111) or Astronomy I (ESS 350)
Physical Geology (ESS 201)
Teaching Science in Secondary Schools (ScE 350)
(Credited to Professional Education)
One course in mathematics—3 s.h.
(Credited to General Requirements)
17 s.h. of electives must be chosen in consultation with the student's adviser. Students are advised to elect courses from biology, chemistry, earth and space science, or physics.

B.S. IN EDUCATION—Earth and Space Science

1. General Requirements — 56 s.h.
   See Page 45.

2. Professional Education Requirements — 28 s.h.
   See Page 77.

3. Specialized Preparation — 44 s.h.

General Chemistry I-II (Che 103 and 108, 104 and 109)
(8 s.h. credited to General Requirements)
General Physics I-II (Phy 103-104)
Teaching Science in Secondary Schools (ScE 350)
(Credited to Professional Education)
One course in mathematics—3 s.h.
(Credited to General Requirements)
Physical Geology (ESS 201)
Historical Geology (ESS 211)
Astronomy I-II (ESS 350-351)
Introduction to Oceanography (ESS 230)
Introduction to Meteorology (ESS 240)
In consultation with his adviser, a student elects: 4 s.h. in biology; any two of ESS 301, 311, 321, 415, 465, 475,
Geomorphology (Geo 205), or Climatology (Geo 206); and one 3 s.h.-course from any science, mathematics, or geography.

COURSE OFFERINGS IN EARTH, SPACE, AND GENERAL SCIENCES

Symbol: ESS unless otherwise shown
(3-2) represents 3 hours lecture and 2 hours lab.

ScE 310 Science Education in the Elementary School (3)
A course to prepare the elementary teacher for teaching science. Selected units or problems which cut across various fields of science. Methods and processes of science and available resources. PREREQ: 8 s.h. of science with lab.

ScE 350 Science Education in the Secondary School (3)
Philosophy, objectives, and methods of teaching science. Practical experience provided. PREREQ: Upper Division standing in a B.S. in Education program in a science.

101 Earth Science (4)
The earth's composition and history; the processes that occur on and within the earth. (3-2)

111 General Astronomy (4)
A descriptive course with laboratories in the observatory and planetarium. (3-2)

201 Physical Geology (4)
The earth's composition (minerals and rocks) and earth processes (weathering, erosion, volcanism, and diastrophism). (3-2)

211 Historical Geology (4)
The geologic history of the earth and the evidences for this history. (3-2)

230 Introduction to Oceanography (4)
A survey of our present knowledge of the waters and floor of the oceans. (3-2)

240 Introduction to Meteorology (3)
Principles governing the conditions of the earth's atmosphere; how these principles determine weather conditions.

301 Mineralogy and Petrology (3)
Physico-chemical principles used in the classification, identification, and origin of minerals and rocks. (2-2) PREREQ: Che 104, ESS 201.

311 Geochemistry (3)
The chemistry of the earth and its relation to geologic processes. (2-2) PREREQ: Che 104, ESS 201.

321 Structural and Field Geology (3)
The earth's structure, with practical experience in the techniques and tools of the field geologist. (1-3) PREREQ: one Earth Science course or permission of instructor.

350 Astronomy I (3)
Study of the solar system: history of astronomy, the moon, planetary bodies, the sun, the telescope, and spectroscopy. (2-2) PREREQ: Phy 103.

351 Astronomy II (3)
A continuation of ESS 350. A study of stellar systems, population of the universe, stellar motions, and galaxies. (2-2) PREREQ: ESS 350.

415 Introduction to Seismology (3)
An introduction to the use of the seismograph emphasizing its use to detect and record earthquakes. (2-2) PREREQ: ESS 211.

465 Observatory Principles (3)
Principles and use of the telescope. Specific projects are assigned. Hours by arrangement. PREREQ: ESS 350.

475 Introduction to the Planetarium (3)
Principles and use of the planetarium. Specific projects are assigned. (2-2) PREREQ: ESS 350.

MARINE SCIENCE

The following courses are given at the Marine Science Consortium field stations in the summer only. For further information communicate with the Department of Earth, Space, and General Sciences.

MSC 110 Introduction to Oceanography (3)
Physical, chemical, and biological aspects of the oceans. Emphasis on lab and at-sea assignments.

MSC 211 Field Methods in Oceanography (3)
Field work on board small research vessels; use and application of standard oceanographic instruments and sampling devices. PREREQ: MSC 110 or consent of instructor.

MSC 221 Invertebrate Zoology (3)
Development, reproduction, structure, function, and classification of selected marine organisms. Laboratory and field experience in collection, preservation, and classification. PREREQ: 1 year of biology or consent of instructor.

MSC 241 Marine Biology (3)
Biology of marine plants and animals, field samplings, identification, and analysis. PREREQ: 1 year of biology or consent of instructor.

MSC 260 Marine Ecology (3)
Relationship of marine plants and animals to physical, chemical, and biological factors; their zonation and communities. PREREQ: 1 year of biology or consent of instructor.

MSC 331 Chemical Oceanography (3)
Oceanic chemical phenomena, sampling, and laboratory analysis techniques. PREREQ: MSC 110, one year of college chemistry, or consent of instructor.

MSC 342 Marine Botany (3)
Marine and marine fringe plants of the Middle Atlantic coast. Techniques of collecting, preserving, identifying, and herbarium cataloging. PREREQ: a course in general biology or 1 semester of botany.

MSC 343 Ichthyology (3)
Anatomy, physiology, and systematics of fish along our eastern seaboard. PREREQ: general biology or zoology or consent of instructor.

MSC 362 Marine Geology (3)
Structural and sedimentary environment of the continental shelf, slopes, and ocean basins; genesis of the ocean basins. PREREQ: MSC 110 and ESS 201 or consent of instructor.

MSC 364 Physical Oceanography (3)
Physical properties of the ocean; basic instrumentation in field work. PREREQ: MSC 110, Phy 103, 104, Mat 141 or consent of instructor.

MSC 420 Marine Micropaleontology (3)
Paleontology of the Forminifera (Sarcodina), Radiolaria, Diatoms, and Ostracoda. PREREQ: 1 year of geology or 1 course each in geology and biology or consent of instructor.

MSC 457 Marine Geophysics (3)
Laboratory and field assignments employing a portable refraction seismograph, gravity meter, and magnetometer. PREREQ: MSC 110, ESS 201, 1 year of mathematics or consent of instructor.

MSC 458 Exploration Methods in Marine Geology (3)
Geophysical and geological instruments and techniques used to study the topography and geology of the ocean bottom. PREREQ: ESS 201 and 1 year of mathematics or consent of instructor.

DEPARTMENT OF MATHEMATICS

Dr. Branton, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
BRANTON	AHLBORN	FASNACHT
FILANO	BENSON	HODGSON
GUMERMAN	COTE	PERRY
KOH	EGAN	SNYDER
MANDELBAUM	L'HEUREUX	STANLEY
MONTEMURO	LO	WIENER
	MILLIMAN	
	MOSER	INSTRUCTOR
	SEYBOLD	MERCER (PART-TIME)
	VERNO	
	WEISS	

The major in mathematics begins with a basic core program including computer science, foundations, and calculus. This is followed by a required sequence of courses covering the major areas of mathematics. Additional specialization in specific branches of mathematics is possible through available electives.

BACHELOR OF ARTS—Mathematics

The B.A. program in mathematics enables each student to receive the basic preparation required for the career of his choice. Among these are college and university teaching, research and other service in government and industry, and computer programming. In all cases each student receives a sound preparation for graduate study in the field of mathematics.

1. General Requirements — 62 s.h.
   See Page 45.

The required 6 s.h. of foreign language through the intermediate level must be in French, German, or Russian.

2. Related Requirements — 12 s.h.

Physics I-II (Phy 101-102)
(Credited to General Requirements)
Electives (12 s.h.)
This 12-hour elective program in mathematics or related areas must be approved by the department at the time of Junior Standing.

3. Mathematics Concentration Requirements — 36 s.h.

Foundations of Mathematics I-II (Mat 110-111)
(3 s.h. of Mat 110-111 credited to General Requirements)
Introduction to Computers (CSc 100)
Calculus I-II-III-IV (Mat 141-142-241-242)
Modern Algebra I-II (Mat 411-412)
Advanced Calculus I-II (Mat 441-442)
Electives in Mathematics (6 s.h.)

4. Electives — 18 s.h.

BACHELOR OF ARTS—Mathematics
Computer Science Concentration

1. General Requirements — 62 s.h.
   See Page 45.

The required 6 s.h. of foreign language through the intermediate level must be in French, Russian, or German.

2. Requirements in Mathematics and Science 28 s.h.

Mathematics
Calculus I-II-III-IV (Mat 141-142-241-242)
(3 s.h. of Mat 141 credited to General Requirements)
Differential Equations (Mat 343)
Mathematical Statistics I (Mat 421)
Numerical Analysis (Mat 425)
Electives in Mathematics (6 s.h.)
Science
Physics I-II (Phy 101-102)
(Credited to General Requirements)

3. Computer Science Requirements 21 s.h.

Introduction to Computer Science (CSc 101)
Computer Organization and Programming (CSc 201)
Algorithmic Languages and Computers (CSc 202)
Information Processing (CSc 321)
Independent Study Project (CSc 490)
Electives in Computer Science (6 s.h.)

4. Electives 17 s.h.

B.S. IN EDUCATION—Mathematics

1. General Requirements 56 s.h.
See Page 45.

2. Professional Education Requirements 28 s.h.
See Page 77.

3. Requirements in Mathematics and Science 36 s.h.

Mathematics
Foundations of Mathematics I-II (Mat 110-111)
(3 s.h. of Mat 110 credited to General Requirements)
Introduction to Computers (CSc 100)
Calculus I-II-III-IV (Mat 141-142-241-242)
Foundations of Geometry (Mat 231)
Teaching Mathematics in Secondary Schools (Mat 350)
(Credited to Professional Education)
Algebra I (Mat 411)
Mathematical Statistics I (Mat 421)
Advanced Calculus I (Mat 441)
Algebra II (Mat 412) or Mathematical Statistics II (Mat 422)
or Advanced Calculus II (Mat 442)
Electives in Mathematics (3 s.h.)
Science
Physics I-II (Phy 101-102)
(Credited to General Requirements)

4. Electives 8 s.h.

COURSE OFFERINGS IN MATHEMATICS AND COMPUTER SCIENCE

MATHEMATICS
Symbol: Mat

101-102 Mathematics for Elementary Teachers I-II (3) (3)
Formal development of the natural numbers, integers, rationals, reals, and complex numbers; probability; intuitive geometry. 101 must precede 102.

103 Introduction to Mathematics (3)
An introduction to the nature and spirit of mathematics and its cultural significance.

105 College Algebra and Trigonometry (3)
A unified course in algebra and trigonometry.

107-108 Calculus for Business I-II (3) (3)
Sets, relations, and model building. Vectors, matrices, solution of linear equations, and introduction to linear programming. Conic sections, exponential and logarithmic functions, geometric series. Limits, continuity, and elements of differential and integral calculus. 107 must precede 108.

110-111 Foundations of Mathematics I-II (2) (2)
Topics such as set theory, relations, mathematical induction, and the real number system are formally treated. Special topics such as number theory, intuitive geometry, probability, and congruences are examined in an informal setting. 110 must precede 111.

121 Statistics (3)
Basic concepts of statistics. Frequency distributions, measures of central tendency and variability, correlation, probability and theoretical distributions, significance of differences, and hypothesis testing. For non-mathematics majors.

131-132 Introduction to Calculus I-II (3) (3)
An intuitive approach to the elements of differential and integral calculus with an emphasis on applications. 131 must precede 132.

141-142 Calculus I-II (4) (4)
The calculus of real valued functions of a single real variable, including series. 141 must precede 142.

231 Foundations of Geometry (3)
Geometric foundations from an advanced viewpoint. Topics are chosen from euclidean and non-euclidean geometries.

241-242 Calculus III-IV (4) (4)
The calculus of several variables. Topics include the algebra and geometry of n-dimensional euclidean space, linear transformations, directional derivatives, integration and Stokes' Theorem. PREREQ: Mat 142. 241 must precede 242.

311 Algebra for Elementary Teachers (3)
Formal structure of groups, rings, and fields with examples from the elementary curriculum. Topics from linear algebra including matrices, determinants, and linear programming. PREREQ: Mat 102.

321 Combinatorics and Graph Theory (3)
Introduction to set theory, graph theory, and combinatorial analysis. Includes relations, cardinality, elementary combinatorics, principles of inclusion and exclusion, recurrence relations, zero-one matrices, partitions, and Polya's Theorem. PREREQ: CSc 101, Mat 242.

331 Geometry for Elementary Teachers (3)
Modern informal approach to two- and three-dimensional geometric figures, measurement, similarity, congruence, coordinate geometry, and the postulational method. PREREQ: Mat 102.

340 Analysis for Elementary Teachers (3)
An intuitive introduction to theory of calculus: limits, continuity, the derivative and the integral. PREREQ: Mat 102 or consent of professor.

343 Differential Equations (3)
The general theory of nth order, linear differential equations including existence and uniqueness criteria and linearity of the solution space. General solution techniques for variable coefficient equations, series solutions for variable coefficient equations, and study of systems of linear equations. PREREQ: Mat 241.

350 Teaching Mathematics in Secondary Schools (3)
Modern techniques; aims of mathematics instruction, motivation, methods of instruction, and evaluation in mathematics. The new mathematics and modern courses of study. Students plan and present lessons in mathematics and observe mathematics classes in secondary schools. PREREQ: Mat 241.

351 Teaching Mathematics in Elementary Schools (3)
Concepts, learning aids, syllabi, texts, and methods in elementary school mathematics. PREREQ: Mat 101.

356 Development of the Mathematics Curriculum in the Elementary Grades (2)
A course to develop the key teacher or coordinator for the modern elementary school mathematics program. Curriculum development through utilization of current resources and modern developments such as data banks, retrieval systems, CAI, CMI, etc. Articulation K-12 and analysis of testing programs. PREREQ: Mat 351.

390 Seminar in Mathematics Education (3)
Typical topics are: remedial programs, low achiever programs, materials for mathematics education, methodology in mathematics education, mathematics and the computer, theories of mathematics education, and analysis of research in mathematics education. PREREQ: Mat 351.

391 Seminar in Mathematics for Elementary Teachers (3)
Topics selected for their relevance and value for the prospective elementary teacher. PREREQ: permission of department chairman.

400 History of Mathematics for Elementary Teachers (3)
History and development of elementary mathematics from primitive times to the discovery of the calculus. Problems of the period are considered. PREREQ: Mat 311, 331.

401 History of Mathematics (3)
Development of mathematics from the Babylonian era to the 18th century. Some modern topics included. PREREQ: Mat 241.

405 Special Topics in Mathematics (3)
Topics announced at the time of offering.

411-412 Algebra I-II (3) (3)
Abstract algebra. Algebraic systems; groups, rings, integral domains, and fields. PREREQ: Mat 241. 411 must precede 412.

414 Theory of Numbers (3)
Properties of the integers; primes, factorization, congruences, and quadratic reciprocity. PREREQ: Mat 242.

416 Linear Algebra (3)
Basic concepts and results of vector spaces including characteristic polynomials, Jordan forms, and inner product spaces. Applications to the geometry of affine and euclidean spaces. PREREQ: Mat 411 or consent of instructor.

421-422 Mathematics Statistics I-II (3) (3)
Probability theory, discrete and continuous random variables, distributions, moment generating functions. Statistical sampling theory, joint and interval estimation, test of hypothesis, regression, and correlation. PREREQ: Mat 242. 421 must precede 422.

425 Numerical Analysis (3)
Numerical methods for the approximate solution of applied problems. Interpolation theory, curve fitting, approximate integration and numerical solution of differential equations. PREREQ: Mat 242, CSc 101.

427 Introduction to Optimization Techniques (3)
The nature of optimization problems: deterministic and stochastic, discrete and continuous. Computer methods of solution: systematic and random search, linear programming, quadratic programming, dynamic programming, and others. PREREQ: Mat 242, CSc 101.

431 Topics in Geometry (3)
Announced at time of offering. PREREQ: Mat 231.

432 Topology (3)
Elements of point set topology. Separation axioms. Connectedness, compactness, and metrizability. PREREQ: Mat 242.

433 Differential Geometry (3)
Classical differential geometry from a modern viewpoint. Curves and surfaces; shape operators; introduction to Riemann geometry. PREREQ: Mat 242.

441-442 Advanced Calculus I-II (3) (3)
A rigorous treatment of the calculus of a single real variable. Topics in several real variables and an introduction to Lebesque integration. PREREQ: Mat 242. 441 must precede 442.

443-444 Applied Analysis I-II (3) (3)
The techniques of analysis applied to problems in the physical sciences. Topics include: partial differential equations, orthogonal functions, complex integration, and conformal mapping. PREREQ: Mat 242. 443 must precede 444.

445 Complex Variables (3)
Introduction to functions of a complex variable. Analytic functions, mappings, differentiation and integration, power series, and conformal mappings. PREREQ: Mat 242.

490 Seminar in Mathematics (3)
Topics in mathematics selected for their significance and student-instructor interest. Independent study and student reports, oral and written. PREREQ: Senior Standing and consent of department chairman.

493 Mathematical Modeling (3)
The idea of a mathematical model of a real situation. Techniques and rationales of model building. Examples from the life, physical, and social sciences. PREREQ: Mat 242, 243.

COMPUTER SCIENCE
Symbol: CSc

100 Introduction to Computers (1)
Prepares students to use the computer as a tool in all areas of study.

101 Introduction to Computer Science (3)
Survey of computers, languages, and data representation. Basic programming and applications. Computer solution of several numerical and non-numerical problems.

102 Introduction to Computers—Business (3)
Students apply the computer to business problems and processes. Primarily for majors in business administration.

201 Computer Organization and Programming (3)
Computer structure. In-depth study of a particular computer and its machine and assembler languages. PREREQ: CSc 101.

202 Algorithmic Languages and Compilers (3)
Analysis and comparison of the structure of various general and special-purpose higher level languages, such as BASIC, FORTRAN, ALGOL, PL/I, COBOL, RPG, APL, and GPSS. Background in basic compiler methods. PREREQ: CSc 201.

305 Business Data Processing (3)
EDP systems design; documentation techniques, packaged programs for linear programming, critical data analysis, business games, and simulation. Provides background needed to design, program, document, and implement an EDP system. PREREQ: CSc 102.

311 Logic and Switching Theory (3)
Symbolic logic and Boolean algebra for description and analysis of switching circuits; simplification of switching circuits; error detecting and correcting codes; storage elements defined logically; basic sequential circuits; and digital system design principles. PREREQ: CSc 101.

321 Information Processing (3)
Data structures and organization. String and list manipulation. File organization techniques. Sorting methods. Symbol tables and search techniques. PREREQ: CSc 201.

331 Systems Programming (3)
Operating systems and their user characteristics. Maintenance of a complex operating system. Batch processing and time sharing environments. Details on core and file management, system accounting, and other user-related services. PREREQ: CSc 201.

341 Compiler Construction (3)
Translation, loading, and execution of a higher level language. Syntax analysis of simple expressions and statements. Organization of a compiler, including compile-time and run-time symbol tables, error diagnostics, and object code optimization. Design and implementation of a simple compiler. PREREQ: CSc 202, 321.

350 Computers in Education (3)
Technical knowledge and skills for successful use of the computer as a supportive tool of education in elementary and secondary school classes. PREREQ: CSc 100 or 101 or 102.

461 Monte Carlo Methods and Simulation (3)
Computer simulation utilizing logical, numerical, and Monte Carlo modeling to represent systems. Use of special languages to simulate actual systems. PREREQ: CSc 100 or 101 or 102, Mat 421.

490 Independent Student Project (3)
Each student designs and implements a realistic, fairly complex software system. Project problems are drawn from local industry and college departments. Each project is supervised by a computer-science staff member. PREREQ: consent of instructor.

495 Topics in Computer Science (3)
Announced at time of offering. PREREQ: consent of instructor.

DEPARTMENT OF NURSING

Doris R. Schoel, Chairman

ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	INSTRUCTOR
SCHOEL	KLINE	BROWN (PART-TIME)

BACHELOR OF SCIENCE IN NURSING

The Bachelor of Science degree program in nursing provides opportunities for secondary school graduates to become professional nurses through courses in the social and natural sciences, humanities, and nursing.

This program prepares the student for nursing individuals and families in the home, hospital, and other community agencies and for continuing self-education and graduate study. Upon its successful completion, the graduate is eligible to sit for the Pennsylvania State Board of Nurse Examiners to qualify for a registered-nurse certificate.

The Department of Nursing is an integral part of the School of Sciences and Mathematics. All nursing laboratory experiences are planned and supervised by College nursing faculty in varied community agencies such as hospitals, nursing homes, private families, social welfare agencies, public health agencies, and other settings.

The curriculum is planned to help the student develop 1) a continuing self-awareness in order to live a self-directive personal and professional life 2) an understanding of behavior and the establishment of purposeful relationships, 3) ability to identify individual needs of varied economic groups and to solve problems scientifically and creatively, 4) an understanding of the student's culture and its relation to other cultures, 5) the ability to plan with community and allied professional groups in meeting health needs of people.

The Department of Nursing believes that generalized education, acquired in a liberal-arts setting and enhanced by involvement in the activities of the College and the community, provides a sound base for professional nursing education.

SPECIAL REQUIREMENTS

Nursing candidates are admitted once a year, in September.

Health Requirement. After meeting the basic requirements for admission to the College, candidates must meet the following health requirements:

Inoculations against smallpox, diphtheria, typhoid, tetanus, and poliomyelitis (a series of four); a complete physical examination which must include a complete blood count, blood serology, chest x-ray, urinalysis, dental and eye examinations, and any other diagnostic tests deemed necessary.

A complete physical examination must be taken annually throughout the student's attendance at West Chester.

Insurance Requirements. Students are required to carry liability insurance at a yearly cost of approximately $12.
Uniforms. Students must purchase uniforms costing approximately $100 in their freshman year.

1. General Requirements	51 s.h.
SKILLS AND COMPETENCIES | 12 S.H.	
English Composition I-II (Eng 101-102)	6
Fundamentals of Speaking (Sph 101)	2
Physical Activities I-II (PEd 101-102)	2
Health (Nsg 101-102)	2
ARTS AND LETTERS | 6 S.H.	
General Literature I or II (Lit 221 or 222)	3
Introduction to Philosophy (Phi 280)	3
SOCIAL SCIENCES | 15 S.H.	
History of Civilization I or II (His 101 or 102)	3
Introduction to Psychology (Psy 100)	3
Introduction to Sociology (Soc 100)	3
Introduction to Anthropology: Cultural (Ant 102)	3
Human Development (Psy 210)	3
SCIENCES | 15 S.H.	
Basic Biological Science (Bio 100)	4
General Chemistry I-II (Che 103-104) (with 2-credit Lab)	8
Introduction to Mathematics (Mat 103)	3
FREE ELECTIVES | 3 S.H.	
Free Electives	3

2. Science Core Requirements	10 s.h.
Anatomy and Physiology for Nurses I-II (Bio 101-102)	
Microbiology for Nurses (Bio 104)	

3. Nursing Concentration Requirements	52 s.h.
Nursing as a Profession I-II (Nsg 101-102) (Credited to General Requirements)	
Nursing Problems in Maintaining Health I-II (Nsg 211-212)	
Health and Prevention of Illness (Nsg 309)	
Nursing Problems During Illness I-II (Nsg 311-312)	
Investigation and Problem Solving I-II (Nsg 401-402)	
Advanced Problems in Professional Nursing I-II (Nsg 411-412)	

4. Free Electives	15 s.h.

REGISTERED NURSES

As of fall 1972 the College does not have a program for Registered Nurses.

STATUS OF FORMER DEGREE PROGRAM IN PUBLIC SCHOOL NURSING

The College no longer offers the cooperative program which led to the B.S. in Education for public school nurses, although courses needed for those enrolled as of 1970-71 are being provided in the phasing-out period. Nurses who hold a B.S. in Nursing and wish to achieve certification as a school nurse are advised to write to the Department of Nursing for information.

COURSE OFFERINGS IN NURSING

Symbol: Nsg

101-102 Nursing as a Profession I-II (1) (1)
Human ecological forces in society which affect the individual, families, and nursing as a profession. Nsg 102 concentrates on nursing as an art and science which helps to meet the needs of all people, especially the sick-poor. 101 must precede 102.

211-212 Nursing Problems in Maintaining Health I-II (4) (3)
Field experience in promoting and maintaining health and preventing disease within the normal well-family unit. Families having a slight health imbalance and pregnant mothers having a normal neonate are also studied. 211 must precede 212. PREREQ: Nsg 102.

309 Health and Prevention of Illness (2)
Ecology and changing patterns of community health needs. Community relationships which promote positive community health are explored. PREREQ: Nsg 212.

311-312 Nursing Problems During Illness I-II (9) (10)
Nursing care of hospitalized children and adults under treatment for an acute patho-physiological or patho-psychological disturbance. Nurse-patient relationships with individuals in family groups and in social health agencies are stressed. 311 must precede 312. PREREQ: Nsg 309.

401-402 Investigation and Problem Solving I-II (2) (3)
Development of a critical attitude toward nursing science in the light of nursing experience. Independent study, with faculty guidance, of a specialized nursing problem. 401 must precede 402. PREREQ: Nsg 312.

411-412 Advanced Problems in Professional Nursing I-II (9) (10)
Specialized health problems, including mental health, of individuals of all ages. Established systems for the care of acute and chronic illness; use of the multi-disciplinary approach as applied to therapeutic and social concepts. 411 must precede 412. PREREQ: Nsg 402.

413 Problems in School Nursing (3)
Special physical, emotional, and social health problems of children which affect the school, home, and community. Principles, methods, and materials in health education which help the nurse to function as a health teacher and as a health resource person. PREREQ: Nsg 312.

480 Vision Problems Workshop (3)
Visual problems associated with the elementary and secondary school age populations. Screening methods, referral techniques, and current modalities of treatment are emphasized.

481 Hearing Problems Workshop (3)
Hearing problems associated with the elementary and secondary school age populations. Multiple disciplines are utilized in presenting background information and current modalities of diagnosis and treatment.

COOPERATIVE DEGREE PROGRAM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education will be conferred upon dental hygienists meeting the following requirements:

1. Satisfactory completion of an approved dental hygienist course of instruction of two years' duration.

2. Possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania, issued by the State Dental Council and Examining Board and by the Pennsylvania Department of Education.

3. Satisfactory completion of 64 semester hours distributed as follows:

I. General Requirements — 38 s.h.
English Composition I-II (Eng 101-102)
Two courses in literature
Fundamentals of Speaking (Sph 101)
Fine Arts (Art) (Art 101)
Fine Arts (Music) (Mus 121)
Introduction to Anthropology: Cultural (Ant 102)
History of Civilization II (His 102)
American Government (PSc 231)
History of the U. S. I (His 211)
Introduction to Psychology (Psy 100)
Introduction to Sociology (Soc 100)

---

2. Professional Education — 8 s.h.
School and Society (EdF 100)
Audio-Visual Education (EdM 300)
Psychology of Learning and Development (EdP 250)

---

3. Free Electives — 18 s.h.
In either the General Requirements or Professional Education categories shown above, credit will be given for equivalent courses pursued in the two-year dental hygiene curriculum; in such instances students must increase their electives by the number of hours credited.

DEPARTMENT OF PHYSICS

Dr. Yarosewick, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSOR
RICKERT SHOAF	HAWKES KAPLAN SKELTON SMITH YAROSEWICK	WIELAND INSTRUCTORS PLEMMONS (PART-TIME) SHAW (PART-TIME)

The concentration in physics begins with a look at the broad discipline. This is followed by a sequence including an introduction to modern physics, classical mechanics, and electricity and magnetism. Advanced courses permit students to develop a thorough understanding of the field. The calculus is a necessary mathematical tool for the study of physics at all levels.

BACHELOR OF ARTS—Physics

The B.A. program in physics enables the student to receive the basic preparation required for a variety of careers. Among these are college and university teaching and research and related service in industry and government. In all cases, the student receives a sound preparation for graduate study in physics. Capable graduates of this program are normally eligible for fellowships and assistantships when they enter graduate school.

1. General Requirements — 62 s.h.
See Page 45.

2. Science Core Requirements — 18 s.h.

Mathematics (through Mat 343)	7 s.h.
Chemistry	8 s.h.
Astronomy or Geology	3 s.h.

3. Physics Concentration Requirements — 42 s.h.

Calculus I-II (Mat 141-142)
(3 s.h. credited to General Requirements)
General Chemistry I-II (Che 103 and 108, 104 and 109)
(8 s.h. credited to General Requirements)
Physics I-II (Phy 101-102)
Mechanics (Phy 212)
Introduction to Modern Physics (Phy 233)
Intermediate Physics Laboratory I-II (Phy 251-252)
Electricity and Magnetism I (Phy 421)
Physics Seminar (Phy 444)
Advanced Physics Laboratory I (Phy 451)
A minimum of 14 additional s.h. in physics must be chosen from available electives.

4. Electives — 6 s.h.

B.S. IN EDUCATION—Physics

1. General Requirements — 56 s.h.
See Page 45.

2. Professional Education Requirements — 28 s.h.
See Page 77.

3. Specialized Preparation — 38 s.h.

Calculus I-II (Mat 141-142)
(3 s.h. credited to General Requirements)
General Chemistry I-II (Che 103 and 108, 104 and 109)
(8 s.h. credited to General Requirements)
Physics I-II (Phy 101-102) (Calculus) or General Physics I-II (Phy 103-104) (Non-Calculus)
Mechanics (Phy 212)
Introduction to Modern Physics (Phy 233)
Intermediate Physics Laboratory I (Phy 251)
Electronics (Phy 423)
Seminar in Physics (Phy 444)
Teaching Science in Secondary Schools (ScE 350)
(Credited to Professional Education)
Electives in sciences—11 s.h. (One course must be in physics.)

4. Electives — 6 s.h.

COURSE OFFERINGS IN PHYSICS

Symbol: Phy unless otherwise shown
(2-2) represents 2 hours lecture and 2 hours lab.

101 Physics I (4)
An introductory course. Mechanics of solids and fluids, heat, temperature, thermodynamics, the kinetic theory, and wave motion. (2-2, 2 hours recitation) PREREQ: Mat 141.

102 Physics II (4)
An extension of Phy 101. Electricity and magnetism, geometrical and physical optics, and modern physics. (2-2, 2 hours recitation) PREREQ: Phy 101, Mat 142.

103 General Physics I (4)
An introductory non-calculus physics course. Mechanics of solids and fluids, wave motion, heat and temperature, thermodynamics, and kinetic theory. (3-2) PREREQ: algebra and trigonometry.

104 General Physics II (4)
An extension of Phy 103. Electricity and magnetism, geometrical and physical optics, and modern physics. (3-2) PREREQ: Phy 103.

110 Acoustics for Speech and Hearing (3)
Interference and transmission of sound waves. Measurements of sound, standard scales, acoustic pressure, intensity, use of oscilloscope.

212 Mechanics (3)
Kinematics and dynamics of particles and rigid bodies, work and energy, harmonic oscillations. PREREQ: Phy 102, Mat 142.

233 Introduction to Modern Physics (3)
Special relativity, quantum effects, atomic structure and spectra, nuclear structure and reactions. PREREQ: Phy 102, Mat 142.

251 Intermediate Physics Laboratory I (1)
A course to familiarize students with laboratory equipment and methods. Normally accompanies Phy 233.

252 Intermediate Physics Laboratory II (1)
A continuation of Phy 251. Normally accompanies Phy 212.

413 Analytical Dynamics (3)
Wave propagation, Lagrange's equations and Hamilton's principle, rigid body motion, and special relativity. PREREQ: Phy 212, Mat 343.

414 Heat and Thermodynamics (3)
Equations of state, first and second laws of thermodynamics, ideal and real gases, entropy, and statistical mechanics. PREREQ: Phy 102, Mat 343.

415 Mathematical Physics I (3)
Selected topics in mathematics applied to problems in physics, ordinary differential equations, complex variables, hyperbolic functions, vector calculus, and numerical analysis. PREREQ: Mat 343 or consent of instructor.

416 Mathematical Physics II (3)
Selected topics in mathematics applied to problems in physics, matrix algebra, Fourier Series and harmonic analysis, eigenvalues and eigenfunctions, and partial differential equations. PREREQ: Phy 415.

421 Electricity and Magnetism I (3)
D.C. circuit analysis, electrostatics of point charges and extended charge distributions, fields in dielectrics, magnetic fields due to steady currents, Ampere's Law, and induced emfs. PREREQ: Phy 212, Mat 142.

422 Optics (3)
Geometrical and physical optics. Reflection and refraction at surfaces, lenses, interference and diffraction, polarization. PREREQ: Phy 102.

423 Electronics (4)
Laboratory study of standard electronic circuits—amplifiers, oscillators, power supplies, test circuits. Some theory of solid state and vacuum devices. (1-6) PREREQ: Phy 102.

424 Electricity and Magnetism II (3)
An extension of Phy 421. Electrostatics, dielectric materials, magnetic materials, ferromagnetism, transients, alternating currents, transmission lines, and electromagnetic radiation. Properties of materials and the field approach to electrodynamics. PREREQ: Phy 421, Mat 343.

432 Introduction to Nuclear Physics (4)
Basic nuclear properties, nuclear structure and reactions, elementary particles. (3-3) PREREQ: Phy 421.

440 Introduction to Research (1 to 3)
Theoretical and experimental work in the library and laboratories. Specific problems in consultation with the faculty adviser. PREREQ: consent of instructor.

444 Seminar in Physics (1)
Oral and written reports on approved topics. Variation in topics from year to year depending on the interest and needs of students. PREREQ: Senior Standing.

451 Advanced Physics Laboratory I (1)
A course to familiarize students with contemporary laboratory equipment and methods. Normally accompanies Phy 421.

452 Advanced Physics Laboratory II (1)
A continuation of Phy 451. Normally accompanies Phy 422.

SCIENCE

Sci 150 Basic Physical Science (4)
Interpretation of selected phenomena and data supporting selected theories. Astronomy, Newton's laws of motion, conservation laws, energy, and structure of matter. Not open to science majors. (3-2)

Sci 251 Matter and Energy (3)
Recommended for students in elementary education. Chemical reactions, electricity, and structure of matter. Not open to science majors. PREREQ: Sci 150.

See also English (under Humanities) for description of Hum 370—Seminar in Science and Human Values.

School of Social and Behavioral Sciences

Byron Y. Fleck, *Dean*

Joseph M. Thorson, *Associate Dean*

Department of Business and Economics
Department of Geography
Department of History
Department of Political Science
Department of Psychology
Department of Sociology and Anthropology

Following Alexander Pope's injunction that "The proper study of mankind is man," the School of Social and Behavioral Sciences accepts the responsibility for translating appropriate social science substance into meaningful and enriching learning experiences.

BACHELOR OF ARTS

Economics
Geography
History
Political Science
Psychology
Sociology-Anthropology
Social Welfare

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Accounting
Economics
Management

BACHELOR OF SCIENCE IN EDUCATION

Geography
Geography—Social Studies
History
History—Social Studies
Political Science—Social Studies

DEPARTMENT OF BUSINESS AND ECONOMICS

Dr. Thorson, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
ECKERMAN		
SCHOOLER	BABSON	ALEXANDER (PART-TIME)
THORSON	GREEN	SMITH
	HASSLER	
	SYLVESTER	

The Department of Business and Economics offers two major specializations: a program in economics leading to a Bachelor of Arts degree and a program in business administration leading to a Bachelor of Science degree.

The B.A. in economics is designed for a broad understanding of the operation of the economic system and the role played by business, labor, and government. Careers lead to government, teaching, many areas of business, and to the graduate work necessary to become a professional economist.

The B.S. in Business Administration is designed for students preparing for positions in business and industry. It may be pursued in the daytime or in the evening. Students majoring in business administration elect one of the following areas of concentration: accounting, economics, or management.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

CONCENTRATIONS:
Accounting Economics Management

1. General Requirements 56 s.h.

2. ARTS AND LETTERS | 12 S.H.

a.	English Composition	6
b.	Speech	2
c.	Physical Education*	2
d.	Health	2

* In the evening program, substituted with electives.

2. ARTS AND LETTERS | 12 S.H.

a.	Literature	6
b.	Art or Music	3
c.	Philosophy	3

3. SOCIAL SCIENCES | 12 S.H.

a.	History	6
b.	Psychology	3
c.	Political Science	3

4. SCIENCES | 14 S.H.

a.	Science (with lab)	8
b.	Mathematics	3
c.	Computer Science	3

5. ELECTIVES | 6 S.H.

	Electives	6

2. Business Administration Core Requirements 36 s.h.

Principles of Accounting I-II (BAc 201-202)
Business Organization and Management (BAd 201)
Principles of Marketing (BAd 221)
Corporation Finance (BAd 325)
Business Law I (BLa 301)
Introduction to Computers—Business (CSc 102)
(Credited to General Requirements)
Principles of Economics I-II (Eco 231-232)
Money, Banking, and Fiscal Policy (Eco 335)
Quantitative Business Statistics I-II (Eco 351-352)
Communication (Eng 230)
(Credited to General Requirements)
Calculus for Business I-II (Mat 107-108)
(107 credited to General Requirements)

3. Area of Concentration 24 s.h.

Business administration majors select a concentration area of 24 s.h., including Senior Seminar, from one of the following areas: a. Accounting, b. Economics, c. Management.

4. Electives 12 s.h.

Business administration majors are advised to elect supplementary courses from: CSc 201, 305; Geo 203; and His 315.

BACHELOR OF ARTS—Economics

1. General Requirements 62 s.h.
See Page 45.

2. Social Science Core Requirements 18 s.h.

History of U. S. I-II (His 211-212)
Introduction to Anthropology: Cultural (Ant 102)
Principles of Economics I (Eco 231)
Introduction to Sociology (Soc 100)
Senior Seminar in Economics (Eco 400)

3. Economics Concentration Requirements 30-36 s.h.

Principles of Economics II (Eco 232)
Money, Banking, and Fiscal Policy (Eco 335)
Intermediate Economic Theory (Eco 340)
Quantitative Business Statistics I-II (Eco 351-352)
Calculus for Business I-II (Mat 107-108)
(107 credited to General Requirements)
Additional economics electives to complete 30-36 s.h. in economics beyond the 6 hrs. in Core.

4. Electives 12-18 s.h.

Economics majors are advised to elect supplementary courses from the following: BAc 201, 202; BAd 221, 344; BLa 301, 302; CSc 102; Eco 347, 401; Geo 203; and His 315.

COURSE OFFERINGS IN BUSINESS AND ECONOMICS

ACCOUNTING

BAc 201 Principles of Accounting I (3)
Introducing accounting: double entry procedures, income statement, balance sheet interpretation of accounts, plus proprietorship accounting.

BAc 202 Principles of Accounting II (3)
Accounting for partnerships and corporations. Stress is on concepts rather than bookkeeping. PREREQ: BAc 201.

BAc 301 Intermediate Accounting I (3)
Analysis and evaluation of assets, liability, and capital accounts. Problems of income measurement and recognition. PREREQ: BAc 202.

BAc 302 Intermediate Accounting II (3)
Continuation of BAc 301. PREREQ: BAc 301.

BAc 303 Cost Accounting I (3)
Techniques of product unit cost determination and uses of cost data in managerial decisions. PREREQ: BAc 202.

BAc 304 Cost Accounting II (3)
Continuation of BAc 303. PREREQ: BAc 303.

BAc 400 Senior Seminar in Accounting (3)
Research in accounting. Emphasis on generally accepted accounting principles and written presentation thereof. Research paper must meet departmental requirements. PREREQ: BAc 405.

BAc 401 Auditing (3)
A study of generally accepted accounting principles and auditing procedures. Preparation of working papers. PREREQ: BAc 405.

BAc 403 Federal Taxation (3)
A complete study of individual, partnership, and corporate income taxes, with emphasis on current Internal Revenue Service regulations. PREREQ: BAc 202.

BAc 405 Advanced Accounting (3)
Special accounting procedures for installment sales, consignments, agency and branch accounting, consolidations, and receiverships. Statements of affairs. PREREQ: BAc 302.

BAc 410 Independent Studies in Accounting (1 to 3)
Special research projects, reports, readings in accounting. Open to seniors only. PREREQ: department chairman's approval.

MANAGEMENT

BAd 201 Business Organization and Management (3)
Introduction to the principles and the theory of business organization and management. Problems of business functions: organization, planning, direction, coordination, and control.

BAd 221 Principles of Marketing (3)
The consumer market, product planning, merchandising and distribution, pricing, and market research.

BAd 302 Personnel Management (3)
Problems of personnel policies and practices: recruiting; selection of personnel; testing and training programs; job evaluation, rating, promotion, and transfer; and employee services. PREREQ: BAd 201.

BAd 322 Advertising and Sales Promotion (3)
The role of advertising and promotion in wholesale and retail marketing. Current campaigns are studied. PREREQ: BAd 221 or consent of instructor.

BAd 323 Production Planning and Control (3)
Study of production-control organizations. Personnel;

machines; methods of scheduling, dispatching, and renting; equipment and facilities; plant layout; and internal traffic control. Linear programming, critical path analysis, PERT, forecasting methods, and other operations research techniques. PREREQ: BAd 201 or consent of instructor.

BAd 324 Quality Control (3)
Control techniques in industrial production, inspection, and experimentation. Intensive study of the SHEWHART control charts and acceptance sampling by attributes and variables. PREREQ: Mat 108, BAd 201.

BAd 325 Corporation Finance (3)
The organization and financing of the modern corporation. Promotion, capitalization, short-term financing, capital budgeting, distribution of earnings, expansion, consolidation, failure, and reorganization. PREREQ: Eco 232.

BAd 326 Production Management (3)
Plant location, design, and construction; internal organization for operations, production control, stores control, routing of materials, job analysis, and time study; wage systems, subdivision of executive responsibilities and duties; methods of coordination and planning. PREREQ: BAd 201.

BAd 344 Investments (3)
Problems and procedures of investment management; types of investment risks; security analysis; investment problems of the individual as well as the corporation. PREREQ: BAd 325.

BAd 400 Senior Seminar in Management (3)
Research in management. Emphasis on integrating and reinforcing principles studied in earlier courses. Research paper must meet departmental requirements. PREREQ: BAd 401.

BAd 401 Industrial Organization and Management (3)
Principles and theory involved in operating a modern plant; problems of organization, location, layout, equipment, standards, and control of operations. PREREQ: BAd 302.

BAd 402 Organization Behavior and Management (3)
The human aspect in management. Psychological and sociological factors in organization and personnel relations. PREREQ: BAd 302.

BAd 405 Business Policy (3)
Integrated course covering the various functions of business administration. The case method is employed. PREREQ: BAd 401.

BAd 406 Quantitative Business Analysis (3)
Systems design and model building. Quantitative techniques including linear programming, probability theory, inventory models, and queuing theory. Applications to case problems. PREREQ: Mat 108, Eco 352 or equivalents or consent of instructor.

BAd 407 Budgeting and Systems (3)
Budgeting and systems as aids in coordinating and directing business operation. PREREQ: BAc 202, Eco 232.

BAd 410 Independent Studies in Management (1 to 3)
Special research projects, reports, readings in management. Open to seniors only. PREREQ: department chairman's approval.

BUSINESS LAW

BLa 301 Business Law I (3)
Fundamental principles of business law; its origin, nature, and administration. The law of contracts, sales, installment sales, insurance, and real property.

BLa 302 Business Law II (3)
Laws of negotiable instruments; nature of contract and agency relationships; employer-employee negotiations; partnership and corporation law. PREREQ: BLa 301.

ECONOMICS

Eco 201 Principles of Economics—Survey (3)
Basic principles underlying production and consumption activities in our modified capitalistic economic system, from the aggregate as well as individual and sectoral standpoints. Issues include competition, unemployment, inflation, economic growth, and alternative economic systems.

Eco 231 Principles of Economics I (3)
Principles underlying use and allocation of scarce productive resources. Consumption and production activities. Value, price, and income distribution. Considerations of economic efficiency and welfare.

Eco 232 Principles of Economics II (3)
National income and its measurement. The determination of price levels, output, and employment. Money and credit, expenditures, and economic stability. Government fiscal and monetary policy. PREREQ: Eco 231.

Eco 333 Consumer Economics (3)
Major kinds of economic decisions required of consumers; an evaluation of the social and economic consequences of those decisions.

Eco 334 Industrial Relations (3)
Objectives sought and policies followed by labor and management in modern industrial relations in the United States. Collective bargaining processes and the role of government. PREREQ: Eco 232.

Eco 335 Money, Banking, and Fiscal Policy (3)
A survey of money, credit, and prices, emphasizing their effects on economic stability. The Federal Reserve System and its effect on credit control. PREREQ: Eco 232.

Eco 336 Business and Government (3)
Background and development of public policies which directly modify the free enterprise economy of the United States. Evaluation of policies which change the nature and extent of competition. PREREQ: Eco 231.

Eco 337 Economic Growth and Development (3)
A survey and critical evaluation of alternative theories of capitalist economic development. Analysis and comparison of alternative public policies applicable to underdeveloped countries and regions. PREREQ: Eco 232.

Eco 338 International Economics (3)
A descriptive, analytical examination of international trade, financial, and other economic relationships. The effects of public policies on these relationships. PREREQ: Eco 232.

Eco 340 Intermediate Economic Theory (3)
A continuation and extension of the price-system analysis in Eco 231. Emphasis on the need for efficiency in the economy's use of scarce productive resources. PREREQ: Eco 232.

Eco 341 Public Finance (3)
Government's influence on stability of national income. Nature of taxes and expenditures at the various levels of government and their effect on the allocation of resources and the distribution of income. PREREQ: Eco 232.

Eco 342 Business Cycles (3)
The nature of economic fluctuation in modern capitalism. PREREQ: Eco 232.

Eco 343 Comparative Economics Since 1930 (3)
Basic ideas and economic institutions of socialism, communism, and capitalism in the twentieth century; problems created by the emergence of competing systems. PREREQ: Eco 232.

Eco 345 History of Economic Thought (3)
Origins of economic thought and comparison of the major schools of economic doctrine. Current economic and socio-political factors. PREREQ: Eco 232.

Eco 346 Economy of Soviet Russia: Organization and Growth (3)
Russian economic growth prior to 1917: economic change and growth under the Soviet system. Workers' control, planning, pricing, resource allocation, and controls. An assessment of the economy's achievements, shortcomings, and prospects. PREREQ: Eco 232 or consent of instructor.

Eco 347 Managerial Economics (3)
A course which seeks to develop managerial judgment. The premise is that technical application, to be successful, must proceed from economic feasibility. One plan is weighed against another in terms of comparative costs and revenues, return on investment, plant-replacement problems, obsolescence, and depreciation. PREREQ: Eco 232.

Eco 349 Economics of Poverty (3)
Incidence, causes, and consequences of poverty in the United States. Economic theory, history, and statistics applied to analysis of poverty-reduction measures. PREREQ: Eco 201 or 232 or consent of instructor.

Eco 350 Urban Economics (3)
Economic aspects of such urban problems as poverty, housing, taxation, income distribution, and discrimination. Analysis of economic aspects of various proposed remedies, including urban renewal, family allowances, cooperatives, and others. PREREQ: Eco 201 or 232 or consent of instructor.

Eco 351 Quantitative Business Statistics I (3)
An application of algebra and elementary calculus to economic and business theories and problems. PREREQ: Mat 108.

Eco 352 Quantitative Business Statistics II (3)
An application of statistical techniques to mathematically formulated economic and business theories and problems: PREREQ: Eco 351.

Eco 400 Senior Seminar in Economics (3)
Research in economics. Emphasis on methodology, bibliography, and oral and written presentation. Research paper must meet departmental requirements. PREREQ: Eco 340.

Eco 401 Quantitative Analysis (3)
Statistical and mathematical techniques applied to economic situations. Use of empirical data in economic analysis. PREREQ: Eco 352.

Eco 410 Independent Studies in Economics (1 to 3)
Special research projects, reports, readings in economics. Open to seniors only. PREREQ: department chairman's approval.

DEPARTMENT OF GEOGRAPHY

Dr. Keinard, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSOR
KEINARD LANGDON	BIELSKI GRASSEL HAWTHORNE RAMPON TACHOVSKY THOMPSON	MORROW

The basic objectives of study in geography at West Chester are threefold: (1) to serve the general education of all students, (2) to provide the specialized training needed for teaching geography, and (3) to supply the particular needs of students in the arts and sciences. The Department aims at helping students gain a full comprehension of the broad scope of man's physical environment and its relationships to cultural situations and problems. As a discipline, geography provides a way of organizing knowledge from various disciplines, and enables students to examine the integrated whole of a people in reference to their habitat and interspatial relationships.

BACHELOR OF ARTS—Geography

1. General Requirements — 62 s.h.
   See Page 45.

2. Social Science Core Requirements — 18 s.h.

History of U. S. 1-11 (His 211-212)
Introduction to Anthropology: Cultural (Ant 102)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Senior Seminar in Geography (Geo 400)

3. Geography Concentration Requirements — 30-36 s.h.

Required—15 s.h.

Group 1. Physical Geography (3 s.h.) chosen from: Geo 102, 205, 206

Group 2. Urban and Economic Studies (6 s.h.) chosen from: Geo 203, 212, 213, 214, 414

Group 3. Techniques and Special Studies (6 s.h.) chosen from: Geo 211, 303, 315, 317, 410, 416, 420, 421-429

Geography Electives—15-21 s.h.

4. Electives — 12-18 s.h.

Geography majors are advised to elect supplementary courses from the following: Ant 333, PSc 331, PSc 335, PSc 337, Psy 354, Soc 332, Soc 336.

B.S. IN EDUCATION

A. GEOGRAPHY

A student may qualify for the Pennsylvania Instructional I Certificate in Geography by completing a minimum field requirement of 30 semester hours in geography.

1. General Requirements — 56 s.h.
   See Page 45.

2. Professional Education Requirements — 28 s.h.
   See Page 77.

3. Specialized Preparation — 30 s.h.

Required—21 s.h.
Physical Geography (Geo 102)
Patterns of World Cultures (Geo 200) or Urban Growth Dynamics (Geo 214)
Regional Method and Anglo America (Geo 202)
Applied Economic Geography (Geo 203)
Map Interpretation (Geo 211)
Climatology (Geo 206)
Teaching Geography in Secondary Schools (Geo 311) (Credited to Professional Education)
Senior Seminar in Geography (Geo 400)
Electives in geography—9 s.h.

4. Electives — 14 s.h.

B. SOCIAL STUDIES—GEOGRAPHY

A student may qualify for the Pennsylvania Instructional I Social Studies Certificate with a con-

centration in geography by completing a minimum of 24 semester hours in geography, and a minimum of 24 semester hours in other social sciences.

1. General Requirements See Page 45.	56 s.h.
2. Professional Education Requirements See Page 77.	28 s.h.
3. Specialized Preparation	36 s.h.

Social Sciences—18 s.h.
History of Civilization I-II (His 101-102)
(Credited to General Requirements)
History of U. S. I-II (His 211-212)
American Government (PSc 231)
(Credited to General Requirements)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Introduction to Anthropology: Cultural (Ant 102)
Introduction to Psychology (Psy 100)
(Credited to General Requirements)
Social Science elective (3 s.h.)
Geography—18 s.h.
World Geography (Geo 101)
(Credited to General Requirements)
Physical Geography (Geo 102) or
Climatology (Geo 206)
Patterns of World Cultures (Geo 200)
Regional Method and Anglo America (Geo 202)
Applied Economic Geography (Geo 203) or
Urban Growth Dynamics (Geo 214)
Map Interpretation (Geo 211)
Teaching Geography in Secondary Schools (Geo 311)
(Credited to Professional Education)
Geography elective (3 s.h.)

4. Electives	8 s.h.

COURSE OFFERINGS IN GEOGRAPHY

Symbol: Geo

101 World Geography (3)
The scope of geography and its special place in the cultural spectrum. Human society is examined in its terrestrial frame of spatial, environmental, and resource factors in analyzing the affairs of man. The use of geographic tools is emphasized.

102 Physical Geography (3)
Basic principles of physical geography in relation to the total geographic concept. The total earth physical environment.

200 Patterns of World Cultures (3)
An examination of selected geographic areas, representing different stages of development, in the contemporaneous world. Emphasis on environmental adaptation and the resultant problems and prospects confronting the human occupants of these areas. PREREQ: Geo 101.

201 Conservation of Natural Resources (3)
The wise use of our natural resources and the problems of resource management. PREREQ: Geo 101.

202 Regional Method and Anglo America (3)
A regional study of the U.S. and Canada; man's adjustment to his physical environment. Political adjustments to the geographic environments and relations between the two countries. PREREQ: Geo 101.

203 Applied Economic Geography (3)
Modern trends and problems of the economic growth of the U.S. The changing wants and needs of man in regard to agriculture, industry, and world resources. PREREQ: Geo 101.

204 Pennsylvania (3)
A regional study of Pennsylvania; man's cultural and economic responses to environmental factors. Urbanization, people, agriculture, landforms, resources, and industries.

205 Geomorphology (3)
Dynamic constructive and gradational forces which have shaped the present landforms and are constantly reshaping and modifying them. Interpretation of geologic and topographic maps; field studies. Field trips required. PREREQ: Geo 102.

206 Climatology (3)
Climatic variations of the earth and their classification into regional types. Biological soil and cultural relationships of the climatic types. PREREQ: Geo 102.

207 Europe (3)
A regional study of Europe. Geographic relationships underlying land uses, international problems, and boundary disputes. Soviet Union not included. PREREQ: Geo 101.

208 Latin America (3)
A regional study of Middle and South America; man's responses to environmental factors such as climate, landforms, and resources. PREREQ: Geo 101.

210 Geographic Influences in American History (3)
Geographic characteristics which bore prominently on the discovery and colonization of America and the progressive development of the U.S. up to the 20th century. PREREQ: Geo 101.

211 Map Interpretation (3)
Appreciation and understanding of maps. Reading and interpreting large-scale topographic maps; special purpose maps.

212 Analysis of Industrial Location and Transportation (3)
Economic geography: marketing, industrial trends, locational theory, trading and transportation patterns, and developing aspects of the commercial world in the perspective of geographic factors. PREREQ: Geo 101.

213 Location of Economic Activity (3)
Introduction to basic theoretical models of agricultural, industrial, and settlement geography and fundamental methods of geographic analysis. PREREQ: Geo 203.

214 Urban Growth Dynamics (3)
Analysis of the patterns, processes, and consequences of urban growth and development. Theory of systems, size, spacing, and functions of cities. PREREQ: Geo 203.

301 Environmental Crises and Ethics (3)
The nature and dimensions of environmental problems with emphasis on our endangered life support systems. Aspects of the natural and social environmental systems and their mutual interrelationships.

303 Cartography (3)
Utilizing modern map-making techniques, the geography major develops and constructs maps and other graphic tools which serve special purposes in teaching and research. 4 hours lecture.

304 Northern Africa and the Middle East (3)
Selected aspects of the physical and cultural environment of the Islamic World; emphasis on contemporary problems and prospects. PREREQ: Geo 101.

305 India and the Far East (3)
Selected physical and cultural aspects of India, China, and Japan. Emphasis on contemporary problems and prospects. PREREQ: Geo 101.

306 Africa (3)
Historic and present-day aspects of race, religion, tribal organizations, and other elements of African life as geography relates to them. PREREQ: Geo 101.

307 The Soviet Union (3)
European and Asiatic U.S.S.R. Positive and negative factors in the geography of Russia in relation to its strength and weaknesses as a world power. PREREQ: Geo 101.

309 Political Geography (3)
Major world problems in terms of their geographic settings. Problems of population growth, economically underdeveloped nations, control and development of natural resources, keeping the peace, etc. PREREQ: Geo 101.

311 Teaching Geography in Secondary Schools (3)
Modern techniques of teaching geography, current curricula, and the tools of geography. Experience in teaching geography lessons and classroom observance required. PREREQ: Geo 101 and six additional geography credits.

313 Population Problems (3)
Regional variations in the distribution of man. Numbers, past and present, in relation to demographic characteristics of the population and migrations of populations. PREREQ: Geo 101.

315 Aerial Photographic Interpretation (3)
Identifying objects and conditions in aerial photography; determining their significance. Both physical and cultural qualities are emphasized. PREREQ: Geo 211 or consent of instructor.

316 Political and Military Geography of the U.S. (3)
An introduction to basic political geography with emphasis on the geography of World War II and geographic aspects of more recent conflicts affecting the U.S. PREREQ: Geo 101.

317 Models of Regional Analysis (3)
Instruction in the collection and use of data, spatial models, statistical procedures, and computer techniques in regional analysis. PREREQ: Geo 203.

319 Problems and Potentials of Tropical Regions (3)
The general causes of and solutions to underdevelopment in the Tropical World; environmental, spatial, and institutional forces are emphasized. PREREQ: Geo 101.

320 Minority Population Studies (3)
Spatial distribution of racial, religious, ethnic, occupational, and social minority groups in the U.S. Includes the temporal dimension. PREREQ: Geo 313 or consent of instructor.

400 Senior Seminar in Geography (3)
Research in geography. Methodology, bibliography, and presentation, both written and oral. The research paper

for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all geography majors.

410 Independent Studies in Geography (1 to 3)
Special research projects, reports, readings in geography. Open to seniors only. PREREQ: permission of department chairman.

412 Geography of Australasia and Associated Islands (3)
Native and introduced flora and fauna in and near Australia. The importance of agriculture and the growing industrialization of Australia. PREREQ: Geo 101.

414 Regional Planning (3)
The regional method of analysis of the problems of urban and regional planning. Systems, housing, recreation, industry, and commerce. PREREQ: Geo 101.

416 Seminar in Special Studies in Geography (2 to 3)
A specialized course in a phase of geography, taught by a specialist in the area of study. For seniors (and, in some cases, juniors). Admission by approval of department chairman.

420 Geography Field Study Methods (3)
Introduction to the methods and materials of field research in geography. Field trips required. PREREQ: Geo 101.

421-429 Geography Area Field Study (3 cr. for each study)
Field courses for travel and study in the U.S. and foreign countries. Analysis of field study findings compiled into term reports. Costs vary with each offering. Admission by approval of department chairman.

DEPARTMENT OF HISTORY

Dr. Johnson, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
CARLSON		
CROWLEY	DOYLE	AIZUPITIS
EVERETT	MORGAN	BURGWIN
FLECK	SESSA	IVINS
FOSTER	SHAFFER	O'GRADY
FOX	SHUR	
HARDING	WEBSTER	INSTRUCTOR
HOUPT		
JOHNSON		BLACK
RILEY		
SCHALCK		
SOLDON		
STUART		
SWAN		
TURNER		
YOUNG		

The student of history seeks to recreate the past (or, more precisely, as much of it as possible) not only rationally to explain and understand the past for its own sake, but also to identify himself and this age with earlier times. He is concerned with the origins and development of and relationships between past men and events and, from the multiplicity of credible and sometimes conflicting evidence, renders judgments on causation and consequences. He seeks to achieve a sense of the past. Among the careers open to history majors are the law, government service, teaching, research, journalism, and business. Indeed, a strong preparation in history can lead to possibilities in virtually every field of endeavor.

BACHELOR OF ARTS—History

1. General Requirements — 62 s.h.
See Page 45.

2. Social Science Core Requirements — 24 s.h.
Western Civilization to 1300 A.D. (His 111)
Western Civilization, 1300-1815 (His 112)
(111-112 credited to General Requirements)

Western Civilization, 1815-Present (His 113)
History of U.S. I-II (His 211-212)
Introduction to Anthropology: Cultural (Ant 102)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Senior Seminar in History (His 400)
Elective from Group 3 (3 hrs.)

3. History Concentration Requirements 18 s.h.

Group 1 American History (6 hrs.)
Group 2 European History (3 hrs.)
Group 3 World and Regional History (3 hrs.)
History Electives (6 hrs.)

4. Electives 24 s.h.

B.S. IN EDUCATION DEGREES

A. COMPREHENSIVE SOCIAL STUDIES

A student may qualify for the Pennsylvania Instructional I Comprehensive Social Studies Certificate by completing a minimum of 24 semester hours in history, and a minimum of 24 semester hours in the other social sciences.

1. General Requirements 56 s.h.
See Page 45.

2. Professional Education Requirements 28 s.h.
See Page 77.

3. Specialized Preparation 36 s.h.

Required

History of Civilization I-II (His 101-102)
(101-102 credited to General Requirements)
History of U.S. I-II (His 211-212)
American Government (PSc 231)
(Credited to General Requirements)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Introduction to Anthropology: Cultural (Ant 102)
Teaching Social Studies in Secondary Schools (SSc 331)
(Credited to Professional Education)
Senior Seminar in History (His 400)

Restricted Electives

History: 9 s.h. distributed equally in Groups 1, 2, 3.
Social Sciences: 9 s.h. under advisement.

4. Electives 8 s.h.

B. COMPREHENSIVE SOCIAL STUDIES—ETHNIC STUDIES CONCENTRATION

A student may also qualify for the Pennsylvania Instructional I Comprehensive Social Studies Certificate with a concentration in ethnic studies by completing the following requirements:

1. General Requirements 56 s.h.
See Page 45.

2. Professional Education Requirements 28 s.h.
See Page 77.

3. Specialized Preparation 36 s.h.

Required 18 s.h.

History of Civilization I-II (His 101-102)
(101-102 credited to General Requirements)
History of U.S. I-II (His 211-212)
American Government (PSc 231)
(Credited to General Requirements)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Introduction to Anthropology: Cultural (Ant 102)
Teaching Social Studies in Secondary Schools (SSc 331)
(Credited to Professional Education)
Senior Seminar in History (His 400)

Restricted Electives 18 s.h.

a. History (9 s.h.)
(From: His 319, 320, 326, 339, 410)
b. Social Sciences (9 s.h.)
(From: Ant 335; Geo 306, 319; Eco 349, 350; PSc 352; Psy 354; SSc 380; Soc 332, 335, 336)

4. Electives 8 s.h.
(Recommended: Art 404; Hum 380; Lit 340, 341, 342)

HISTORY (AMERICAN HISTORY OR WORLD CULTURES)

A student may qualify for the Pennsylvania Instructional I Certificate in history by completing a minimum of 36 semester hours in history and

a minimum of 12 semester hours in the other social sciences.

1. General Requirements See Page 45.	56 s.h.
2. Professional Education Requirements See Page 77.	28 s.h.
3. Specialized Preparation	36 s.h.

Required

Western Civilization to 1300 A.D. (His 111)
Western Civilization, 1300-1815 (His 112)
(111-112 credited to General Requirements)
Western Civilization, 1815-Present (His 113)
History of U.S. I-II (His 211-212)
American Government (PSc 231)
(Credited to General Requirements)
Principles of Economics—Survey (Eco 201)
Teaching Social Studies in Secondary Schools (SSc 331)
(Credited to Professional Education)
Senior Seminar in History (His 400)

Restricted Electives

History majors select a concentration area in American History or World Cultures.

AMERICAN HISTORY CONCENTRATION	
History of Pennsylvania (His 313)	3
History electives from Group 1	9
History electives from Groups 2 or 3	6
Elective: Social Sciences	3
WORLD CULTURES CONCENTRATION	
Introduction to Anthropology: Cultural (Ant 102)	3
History electives: Group 1	6
History electives: Group 2	6
History electives: Group 3	6

4. Electives	8 s.h.

GROUPS 1, 2, 3

1. AMERICAN HISTORY
His 211, 212, 313, 314, 315, 316, 317, 318, 319, 320, 329, 339

2. EUROPEAN HISTORY
His 112, 113, 219, 220, 331, 332, 340, 350, 351, 360

3. WORLD AND REGIONAL HISTORY
His 101, 102, 111, 218, 322, 323, 326, 328, 329, 333, 334

COURSE OFFERINGS IN HISTORY

Symbol: His unless otherwise shown

GENERAL

SSc 331 Teaching Social Studies in Secondary Schools (3)
Methods and materials of teaching social studies for prospective secondary school teachers. Emphasis is on the "New Social Studies" and instructional materials drawn from the social sciences. Taken by social-science education majors in their junior year.

SSc 380 Ethnic Cultures Institute (3)
A summer institute sponsored jointly by the Schools of Arts and Letters and Social and Behavioral Sciences. Contributions of ethnic groups to the United States culture are considered. Open only to juniors and seniors. PREREQ: permission of the Dean of the School of Social and Behavioral Sciences.

HISTORY

101 History of Civilization I (3)
Man's cultural elements and social institutions in the West and the East from earliest times through the Renaissance.

102 History of Civilization II (3)
Developments in civilizations from 1500 to the present, with emphasis on Western Civilization and its interrelationships with the non-Western world.

111 Western Civilization to 1300 A.D. (3)
Civilization of the Ancient Near East, Greece and Rome, and the Medieval Western world. Open only to Liberal Arts history majors or secondary education students with American History or World Cultures concentration.

112 Western Civilization, 1300-1815 (3)
The Renaissance, Reformation, Commercial Revolution and Rise of Capitalism, Enlightenment, modern Nation-State, Industrial Revolution, Age of Political Revolutions. Open only to Liberal Arts history majors or secondary education students with American History or World Cultures concentration.

113 Western Civilization, 1815-Present (3)
The European world with focus upon common European movements such as industrialism, nationalism, democracy, and socialism. Open only to Liberal Arts history majors or secondary education students with American History or World Cultures concentration.

211 History of United States I (3)
The social, economic, political, and intellectual development of the United States from the beginning of the Colonial period through the Civil War. Required of all history and social sciences majors. PREREQ: His 101, 102 or 111, 112, 113.

212 History of United States II (3)
The social, economic, political, and intellectual development of the United States from 1865 to the present, with emphasis on the new industrialism and on foreign affairs. Required of all history and social sciences majors. PREREQ: His 101, 102 or 111, 112, 113.

218 The Ancient World (3)
Classical Greece and Rome with consideration of economic, social, intellectual, and political history. Selected writings of the ancients. PREREQ: His 101 or 111.

219 Medieval Europe (3)
Western Europe from the fall of Rome to approximately 1300. Economic, social, political, and intellectual developments in the major kingdoms of the West; the history of the Universal Church. PREREQ: His 101 or 111.

220 Renaissance and Reformation (3)
Political, economic, social, and cultural forces which emerged in Europe, 1300 to 1650. The evolution of modern states and the rise of the middle class. PREREQ: His 101 or 102 or 112.

313 History of Pennsylvania (3)
The founding and development of Pennsylvania from its Colonial beginnings to the present, with emphasis on the relation of the past to the present. PREREQ: His 211, 212.

314 Diplomatic History of the United States (3)
The theory and practice of American diplomacy from Colonial times to the present with emphasis on the 20th century. PREREQ: His 211, 212.

315 Economic History of the United States (3)
The economic development of the American nation as it evolved from a frontier, agricultural country into an urban industrial power. PREREQ: His 211, 212.

316 History of the American Frontier (3)
The westward movement and expansion from Colonial times to the end of the 19th century. The frontier forces which shaped American democratic institutions and ideals. PREREQ: His 211, 212.

317 Technology and American Life (3)
Promises and practices of American life in response to the interaction of American forms, values and scientific-technological change from the Colonial period to the present. PREREQ: His 211 or 212.

318 Constitutional History of the United States (3)
The development of the Constitution of the United States from the Philadelphia Convention to the present with emphasis on major Supreme Court decisions. PREREQ: His 211, 212.

319 Social and Cultural History of the United States (3)
The evolution of American society with emphasis on the impact of improving material conditions upon labor, the arts, education, religion, social mores, and family life. The changing status of women, blacks and immigrants. PREREQ: His 211, 212.

320 History of the South (3)
The social, economic, political, and intellectual forces that have made the American South. PREREQ: His 211, 212.

322 History of South Asia (3)
A historical study of developments on the Indian subcontinent (India and Pakistan), the course also considers those areas of Southeast Asia (Burma and Thailand) which have been traditionally influenced by the course of Indian events. PREREQ: His 101 or 102.

323 History of the Middle East (3)
Recent history of the major Middle Eastern countries. Geographical, cultural, economic, and religious factors which have influenced the history of the area. Special attention to Middle East problems which affect international relations. PREREQ: His 101, 102 or 113.

326 History of Africa to 1800 (3)
A survey of the traditional culture and of the historical development of the African continent prior to the 19th century. Emphasis is upon the length and diversity of Africa's history prior to European colonization. PREREQ: His 101, 102 or 111, 112.

328 History of Subsaharan Africa Since 1800 (3)
A survey of Black Africa's development in the 19th and 20th centuries. Emphasis is upon Africa's colonial experience as the background for the emergence of independent Africa. PREREQ: His 102 or 113.

329 History of East Asia (3)
Survey of the historical and cultural background of China, Japan, and Korea. Emphasis is given to the significance of the modern period of East Asia and its impact on world affairs. PREREQ: His 101, 102.

331 History of England to 1688 (3)
The British people and their institutions from Roman times to the Glorious Revolution, with primary emphasis on the Tudor and Stuart periods.

332 History of England Since 1688 (3)
England as a world leader during the Commercial and Industrial Revolutions, the evolution of the democratic process, and the emergence of liberalism followed by the democratic welfare state. PREREQ: His 102 or 112 or 113.

333 History of Latin America to 1825 (3)
Pre-Columbian period, colonial Latin America and movements for independence: Indian, European, and African backgrounds; government, economy, society, religion, culture, and Enlightenment. Interaction of diverse cultures in New World.

334 History of Latin America Since 1825 (3)
Latin America in 19th and 20th centuries: liberalism, conservatism, dictatorship, revolution, socialism, industrialization, agrarian reform, cultural-intellectual achievements, and international relations. Topical approach, using individual countries as case-history illustrations.

339 History of the Afro-American (3)
The Afro-American: origins, period of slavery, industrialization of the South, migration to northern urban centers, civil rights movement, and the evolution of "Black Power." PREREQ: His 211, 212.

340 Modern Germany (3)
Germany in the 19th and 20th centuries: Napoleonic era, rise of Prussia, nationalism and unification, imperialism and World War I, National Socialism, World War II, and Divided Germany. PREREQ: His 102 or 113.

350 Russian History to 1917 (3)
Russian history from 9th century Kiev to the end of the Imperial period. Major emphasis on the continuing religious, economic, social, and political tradition peculiar to the Russian State. PREREQ: His 102 or 112.

351 Soviet Russia (3)
Political, economic, social, and cultural aspects of Soviet society in the light of traditional Russian patterns and the goals of Communism. PREREQ: His 102 or 113.

360 War, Peace, and Diplomacy in Europe: 1815 to 1939 (3)
Power politics in Europe; alliances and counter-alliances; imperialism; first World War and Versailles peace settlements; emergence of totalitarian ideologies. PREREQ: His 102 or 113.

400 Senior Seminar in History (3)
Research in history. Methodology, bibliography, and presentation, both written and oral. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all history majors.

410 Independent Studies in History (1 to 3)
Research projects, reports, readings in history. Open to seniors only. PREREQ: permission of department chairman.

DEPARTMENT OF POLITICAL SCIENCE

Dr. Harding, Chairman

PROFESSORS	ASSOCIATE PROFESSORS
BRADY	BURNS
HARDING	BURTON
SHEA	ELDREDGE
	IACONO
	MILNE

Political science systematically investigates the theory and practice of politics and levels of government—domestic, foreign, and international. Depending on the area, emphasis may be on the philosophical study of the nature of government and politics, on the political behavior of individuals or groups, or on the role of political and governmental institutions. Careers are open to majors in research, teaching, administration, personnel work, public relations, journalism, and government at home and abroad. The B.A. program in political science is especially important for the pre-law student, or the student who desires to teach political science at the college level.

BACHELOR OF ARTS—Political Science

1. General Requirements — 62 s.h.
   See Page 45.

2. Social Science Core Requirements — 18 s.h.

History of U.S. I-II (His 211-212)
Introduction to Anthropology: Cultural (Ant 102)
Principles of Economics—Survey (Eco 201)

Introduction to Sociology (Soc 100)
Senior Seminar in Political Science (PSc 400)

3. Political Science Concentration Requirements 24-30 s.h.
Introduction to Political Science (PSc 201)
International Politics (PSc 333)
Introduction to Political Thought (PSc 338)
Elements of Public Administration (PSc 339)
Governments and Politics of Western Europe (PSc 332)
or
The Politics of the Non-Western Areas (PSc 351)
Additional political science electives to complete 24-30 s.h. in political science beyond the 3 hrs. in Core.

4. Electives 18-24 s.h.
Political science majors are especially advised to elect supplementary courses from: Eco 336, Eco 338, His 314, His 318, Mat 121, and Soc 336.

B.S. IN EDUCATION

SOCIAL STUDIES—Political Science

A student may qualify for the Pennsylvania Instructional I Certificate in Social Studies with a concentration in political science by completing a minimum of 24 semester hours in social science and 24 hours in political science.

1. General Requirements 56 s.h.
See Page 45.

2. Professional Education Requirements 28 s.h.
See Page 77.

3. Specialized Preparation 36 s.h.
Required—21 s.h.
History of Civilization I-II (His 101-102)
(Credited to General Requirements)
History of U.S. I-II (His 211-212)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Introduction to Anthropology: Cultural (Ant 102)
Introduction to Political Science (PSc 201)
Teaching Social Studies in Secondary Schools (SSc 331)
(Credited to Professional Education)
Senior Seminar in Political Science (PSc 400)
Political Science Electives—15 s.h.
Group 1: American Government and Politics. 6 s.h. from PSc 331, 334, 335, 340, 352
Group 2: International and Comparative Politics. 6 s.h. from PSc 332, 333, 336, 337, 351
Group 3: Specialties. 3 s.h. from PSc 338, 339, 341, 342

4. Electives 8 s.h.

COURSE OFFERINGS IN POLITICAL SCIENCE

Symbol: PSc

201 Introduction to Political Science (3)
Introduction to the study of political phenomena: Society, state and man; political theory; modern governmental systems; international relations; administration; political organizations; and methodology and approaches in the study of politics.

231 American Government (3)
General principles of the American system of government: organization and functions of the national government—legislative, executive, and judicial; the rights and duties of citizenship; the electorate, political parties, civil rights, and the growing regulatory functions of agencies.

331 State and Local Government (3)
Organization, theory, functions, and politics of state and local government. The role of state government in a changing federal system; finances, services, civil liberties, economic development. PREREQ: PSc 231.

332 Governments and Politics of Western Europe (3)
Primary attention focuses on France, West Germany, and Great Britain; secondary attention on other European systems. Political cultures, popular participation, political parties, and formal institutions of government. PREREQ: PSc 231.

333 International Politics (3)
Politics among nations (including politics carried on through international organizations). Power politics, techniques of diplomacy, and methods of current international organizations. Special attention to the interests and policies of the United States. PREREQ: His 102 or consent of instructor.

334 American Political Parties (3)
Patterns, functions, and history of the American political party system at national, state, and local levels. Theoretical and empirical studies of political interest groups, public opinion, and voting behavior. PREREQ: PSc 231.

335 American Political Ideas (3)
Ideological treatment of maior elements of American politics: constitutionalism, federalism, checks and balances, rights under law, equality and liberty, laissez faire, and the welfare state. PREREQ: PSc 231.

336 Soviet Government and Politics (3)
An examination of the nature of Soviet government and Soviet society. Attention is given to the role and nature of Marxism-Leninism, the Party, and other key institutions of the Soviet state.

337 American Foreign Policy (3)
Theories, goals, and methods of American Foreign Policy in the 20th century. While the historical development of American Foreign Policy is given attention, emphasis is on current foreign policy problems and goals. PREREQ: PSc 231.

338 Introduction to Political Thought (3)
A survey of great political thinkers of Western Civilization from Plato to the present: Aristotle, Polybius, Cicero, St. Thomas Aquinas, Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, Burke, Mill, and others. Historical background of Western thought; its relevancy to the present. PREREQ: PSc 231.

339 Elements of Public Administration (3)
United States public administration, using texts and case studies illustrating organizational theory, administrative law, budgeting, personnel functions, human behavior and motivation, and techniques of organizational rationality. PREREQ: PSc 201 or 231.

340 American Constitutional Law (3)
The development of the American Constitutional System as reflected in leading decisions of the United States Supreme Court. Emphasis on national powers, federalism, and the bill of rights. PREREQ: PSc 231.

341 International Law (3)
The nature, sources, and subjects of international law. The methods and practices of international legal action. The case method of analysis is employed to gain insight into basic areas of international law. PREREQ: PSc 231.

342 Public Opinion, Propaganda, and Political Behavior (3)
The dynamics of opinion formation and change; the role of public opinion in public policy formation; survey research and propaganda analysis are examined. PREREQ: PSc 231.

343 Municipal Government (3)
Municipal politics, problems, and government. Theory and functions of cities, suburbs, and regional areas. Anthropological, sociological, and psychological study of urban man in politics. PREREQ: PSc 331 or consent of instructor.

351 The Politics of the Non-Western Areas (3)
Emphasis upon the problems of nation-building, political participation, and elite-mass relationships in the less developed nations. Latin-American, Asian, or African nations may be stressed as a case study. PREREQ: PSc 231.

352 Civil Liberties and Civil Rights (3)
A survey of the sources of civil liberties and civil rights in the United States with an inquiry into contemporary problems and their solutions through statutory and constitutional developments. PREREQ: PSc 231.

400 Senior Seminar in Political Science (3)
Research in political science. Methodology, bibliography, and presentation, both oral and written. The research paper for the seminar must be acceptable as a required departmental Senior Research Paper. Required of all political science majors.

410 Independent Studies in Political Science (1 to 3)
Research projects, reports, readings in political science. Open to seniors only. PREREQ: permission of department chairman.

DEPARTMENT OF PSYCHOLOGY

Dr. Clark, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
CLARK	BARTHOLOMEW	MORSE
FELDMAN	MILGRAM	POTTIEGER
GREGG	SHINEHOUSE	
PORTER		
SANDS		

The psychologist endeavors to apply scientific processes in order to explain, predict, and in some cases control human behavior. A bachelor's degree in psychology should prepare the student to understand those variables, such as heredity, learning, and the environment, which shape and change behavior. Careers are possible in clinics, guidance centers, industry, hospitals, schools, and government.

BACHELOR OF ARTS—Psychology

1. General Requirements See Page 45.	62 s.h.
2. Social Science Core Requirements	18 s.h.
History of U.S. I-II (His 211-212) Introduction to Anthropology: Cultural (Ant 102) Principles of Economics—Survey (Eco 201) Introduction to Sociology (Soc 100) Senior Seminar in Psychology (Psy 400)	
3. Psychology Concentration Requirements	24-30 s.h.
Research Methods and Statistics I-II (Psy 245-246) Social Psychology (Psy 354) The Study of Personality (Psy 356) Physiological Psychology (Psy 364) Abnormal Psychology (Psy 375) Additional psychology electives to complete in psychology beyond the 3 hrs. in Core.	24-30 s.h.
4. Electives	18-24 s.h.

COURSE OFFERINGS IN PSYCHOLOGY

Symbol: Psy

100 Introduction to Psychology (3)
Introduction to the scientific study of behavior. The multiple bases of human behavior with emphasis on the learning process. Basic concepts, principles, and methodology.

210 Human Development (3)
The physical, social, emotional, and intellectual development of the human from conception through senescence. Critical evaluation of the influence of various periods on the normal growth of learning and personality, as well as frequently encountered developmental problems. PREREQ: Psy 100.

245 Research Methods and Statistics I (3)
Experiments on selected problems, with emphasis on techniques in the design and execution of experiments and on the application of elementary statistical techniques to the collection, analysis, and interpretation of data.

246 Research Methods and Statistics II (3)
Continuation of Psy 245 with emphasis on more advanced experimental designs and statistical techniques. PREREQ: Psy 245.

352 Child and Adolescent Psychology (3)
Practical understanding of personality development, maturation, and problems of the child and adolescent. Interrelationship of physical, emotional, and social growth within the context of such social institutions as the home, school, and community. PREREQ: Psy 100.

354 Social Psychology (3)
The individual studied in his social setting; how his perceptions and attitudes affect social interaction. Group roles, norms, and their influence on social behavior. Comparison and evaluation of research in social psychology. PREREQ: Psy 100.

356 The Study of Personality (3)
Major theoretical approaches to the study of personality. PREREQ: Psy 100.

361 Applied Psychology (3)
Basic psychological principles as applied to industry, engineering, and other professions. PREREQ: Psy 100.

362 History of Psychology (3)
Development of psychology from the 19th century to the present with emphasis on the emergence of modern experimental psychology. PREREQ: Psy 100.

363 Psychology of Learning (3)
Existing theories of learning and the relevant research data. PREREQ: Psy 100.

364 Physiological Psychology (3)
Neurological, endocrinologic, and other physiological processes underlying human behavior. Effects of drugs on behavior. Techniques for study of brain-behavior relationships. Problems in the physiology of motivation, emotion, learning, memory, and attention processes. PREREQ: Psy 100.

365 Industrial Psychology (3)
A basic course for business majors. Emphasis on theoretical developments in psychology as these relate to study of people in organizations and industry.

370 Mental Hygiene (3)
Application of principles of psychology to problems of individual adjustment. Processes of coping used by normal persons in everyday life. PREREQ: Psy 100.

375 Abnormal Psychology (3)
The nature and manifestations of normality and abnormality, mental mechanisms and symptoms, psychoneuroses, psychoses, the psychopathic personality, and mental deficiency. Typical cases; functions of professional and lay people in dealing with abnormality. PREREQ: 6 hours in psychology and Junior or Senior Standing.

390 Principles of Counseling and Psychotherapy (3)
Basic concepts and methods in counseling. Problems in these fields as presented in the literature, anecdotal records, and case histories. Individual and group approaches. Juniors and Seniors only.

400 Senior Seminar in Psychology (3)
Research in psychology. Methodology, bibliography, and presentation, both written and oral. The required research paper must be acceptable as a departmental Senior Research Paper. Required of all psychology majors.

410 Independent Studies in Psychology (1 to 3)
Special research projects, reports, readings in psychology. Open to seniors only. PREREQ: permission of department chairman.

415 Verbal Behavior (3)
Methods, materials and theoretical issues in the study of verbal behavior and verbal learning. Serial, paired-associate, and free-recall learning; effects of language habits and "higher-order" processes, such as coding behavior, on memory, transfer, and the acquisition of verbal habits. PREREQ: Psy 100.

420 Statistics for the Behavioral Sciences (3)
An advanced course covering statistical topics of special interest to the behavioral scientist, such as nonparametric tests, chi square, analysis of variance.

425 Psychological Testing and Measurement (3)
Principles of psychological measurement including standardization, scale transformation, reliability, validity, and item-analysis. Use of tests for the solution of problems in industrial, business, and educational settings. PREREQ: Psy 100.

430 Human Sexual Behavior (3)
Variables under which human sexual behavior functions. Research from sociological and medical studies is integrated with psychological knowledge. PREREQ: 6 hours in psychology and Junior or Senior Standing.

441 Field Experience in Psychology I (3)
A work-study program in an educational or mental health facility under joint supervision of the instructor and the staff psychologists of the field institution.

442 Field Experience in Psychology II (3)
Continuation of Psy 441.

470 Psychology of Perception and Cognition (3)
Principles underlying perception, cognition, and cognitive organization, based on current research and theory. Application of these principles to social problems and various areas of psychology. PREREQ: 6 hours in psychology and Junior or Senior Standing.

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Dr. Samuelson, Chairman

PROFESSORS	ASSOCIATE PROFESSORS	ASSISTANT PROFESSORS
BECKER SAMUELSON	CONSTABLE MAIN MURPHY	BRAM COWEN

Man creates culture, culture creates man. It is to the interplay of these two that sociology and anthropology address themselves. The sciences of human society study the structuring and functioning of groups in determining human behavior and interpreting social phenomena objectively. These disciplines aim to understand man: his biological and cultural development. Careers for the major in sociology-anthropology are in teaching; local, state, and national governmental agencies; criminology and penology; social service and personnel work; and public relations.

The B.A. degree program in social welfare is designed not only for those students wishing to pursue a career in social work and related human services but also for those students who desire to broaden and deepen their experience with and awareness of the human situation and professional and societal responses to human need.

BACHELOR OF ARTS DEGREES

A. SOCIOLOGY-ANTHROPOLOGY

1. General Requirements — 62 s.h.
See Page 45.

2. Social Science Core Requirements — 18 s.h.
History of U.S. I-II (His 211-212)
Introduction to Anthropology: Cultural (Ant 102)
Principles of Economics—Survey (Eco 201)

Introduction to Sociology (Soc 100)
Senior Seminar in Sociology or Anthropology (Soc or Ant 400)

3. Sociology-Anthropology Concentration Requirements 24-30 s.h.

Sociological Theory (Soc 337)
Social Stability and Change (Soc 341)
Introduction to Anthropology: Biological (Ant 101)
Social Organization (Ant 332)
Additional sociology and anthropology electives to complete 24-30 s.h. in sociology and anthropology beyond the 9 hrs. in Core.

4. Electives 18-24 s.h.

Sociology-anthropology majors are especially advised to elect supplementary courses from Psy 354, 356, 375.

B. SOCIAL WELFARE

1. General Requirements 62 s.h.
See Page 45.

2. Social Science Core Requirements 18 s.h.

History of U.S. I-II (His 211-212)
Introduction to Anthropology: Cultural (Ant 102)
Principles of Economics—Survey (Eco 201)
Introduction to Sociology (Soc 100)
Senior Seminar in Social Work (SWe 400)

3. Social Welfare Concentration 25 s.h.

Introduction to Social Work (SWe 200)
Social Welfare Systems I-II (SWe 300-301)
Principles and Methods of Social Work (SWe 320)
Social Work Process Seminar (SWe 401)
Field Experience in Social Welfare I-II (SWe 420-421)

4. Psycho-Social Foundation 12 s.h.

Select four courses, under advisement, from the following: Child and Adolescent Psychology (Psy 352), The Study of Personality (Psy 356), Abnormal Psychology (Psy 375); Ant 101, 332, 335; Soc 333, 335, 341.

5. Electives 11 s.h.

Social Welfare majors should choose with their adviser an interdisciplinary elective program geared to their learning needs and professional interests.

COURSE OFFERINGS IN ANTHROPOLOGY–SOCIOLOGY

ANTHROPOLOGY

Symbol: Ant

101 Introduction to Anthropology: Biological (3)
Human biology and biological change. Fundamentals of evolution and the prehistoric development of culture.

102 Introduction to Anthropology: Cultural (3)
Comparative analysis of culture systems. A general overview of the areas of cultural anthropology and the methods of analysis.

200 Introduction to Archaeology (3)
Methods and theories of prehistory. Interpretation of culture through analysis of archaeological remains. PREREQ: Ant 101.

305 Historical Archaeology (3)
Methods and aims of historical research through archaeology. Chester County is emphasized through problems in local research projects. PREREQ OR CONCURRENT: Ant 200.

331 Human Paleontology (3)
Evolutionary thought, origin, and antiquity of the primates; fossil man, and living races. PREREQ: Ant 101. (Some background in biology recommended.)

332 Social Organizations (3)
Study of social groups, their structure, and function. PREREQ: Ant 102.

333 Culture Change (3)
Empirical and theoretical study of culture change. PREREQ: Ant 102.

335 Culture and Personality (3)
Study of relationships between culture systems and personality. PREREQ: Ant 102.

342 Political Anthropology (3)
An analysis of tribal and peasant political systems; cross-cultural examination of both non-state and state political organization and process. PREREQ: Ant 102.

343 Economic Anthropology (3)
An analysis of tribal and peasant economic systems; cross-cultural inquiry into the means of economic appropriation, allocation, and consumption. PREREQ: Ant 102.

344 Magic, Religion, and Witchcraft (3)
An analysis of supernaturalistic ideology in both tribal and civil society; cross-cultural investigation into ritual and mythology in traditional societies. PREREQ: Ant 102.

350 The American Indian (3)
Ethnography of North America. PREREQ: Ant 102.

355 Cultures and Peoples of Sub-Saharan Africa (3)
An examination of the cultures and societies of Black Africa. PREREQ: Ant 102.

400 Senior Seminar in Anthropology (3)
Discussion of supervised research designed to integrate conceptual and methodological skills. Required of all majors.

410 Independent Studies in Anthropology (1 to 3)
Special research projects, reports, readings in anthropology. Open to seniors only. PREREQ: permission of department chairman.

SOCIAL WELFARE
Symbol: SWe

200 Introduction to Social Work (3)
An overview of major fields of social-work practice with a particular focus on the relationship of agency and societal structures to the delivery of service. PREREQ: Soc 100.

300 Social Welfare Systems I (3)
Overview of the social agency as an institutional societal response to defined need. Its origins. Development of its functions in the context of political, social, and economic realities. PREREQ: SWe 200.

301 Social Welfare Systems II (3)
A fuller exploration of the history, philosophy, structure, and nature of social-work programs within the fields of corrections, child welfare, family welfare, and mental health services. PREREQ: SWe 300.

320 Principles and Methods of Social Work (3)
Examines casework, group work, and community organization as generic methodologies. Principles, direction, and framework of the social-work helping process. PREREQ: SWe 200.

400 Senior Seminar in Social Work (3)
Integration of field and classroom experience into a professional framework for the social-work helping process.

401 Social Work Process Seminar (1)
A seminar on social work process designed to relate to the second semester field experience.

410 Independent Studies in Social Welfare (1 to 3)
Special research projects or practice in social welfare. Open to seniors only. PREREQ: permission of instructor.

420-421 Field Experience in Social Welfare I-II (6) (6)
A supervised work experience in a social agency. Seniors only.

SOCIOLOGY
Symbol: Soc

100 Introduction to Sociology (3)
A course in the liberal arts tradition, designed to enrich the student's intellectual resources by equipping him with the sociological perspective on human behavior and the basic tools of sociological analysis.

200 Introduction to Social Research (3)
The logic of social research. Fundamentals of research design, data collection and reduction, and non-statistical analysis. PREREQ: Soc 100.

201 Social Statistics (3)
The application of statistical methods to sociological hypothesis testing. PREREQ: Soc 100.

332 Contemporary Social Problems (3)
The conditions, causes, and possible corrections and prevention of current social disorders: urban unrest, racial tension, poverty, addictions, crime, and mental illness. PREREQ: Soc 100.

333 The Family (3)
A comparative historical and cross-cultural approach to the family as an institution. Theories and empirical research on mate selection, courtship, marital adjustment, parent-child relationship, and family crisis. PREREQ: Soc 100.

334 Juvenile Delinquency (3)
Nature and extent of delinquency; theories of delinquency; evaluation of programs for its prevention and control; role of social agencies and their effect on delinquency. PREREQ: Soc 100.

335 Racial and Cultural Minorities (3)
Minority groups including American Indians, Mexican Americans, Puerto Ricans, and Afro-Americans; the meaning of, responses to, and reduction of prejudice and discrimination. PREREQ: Soc 100.

336 Urban Sociology (3)
Historical development of cities; characteristics of urban institutions; urban ecology; demographic patterns; ethnic groups and social classes; urban renewal and city planning. PREREQ: Soc 100.

337 Sociological Theory (3)
Historical and contemporary theories of society and social behavior. The logic of systematic theory construction, and relationship between theoretical models and empirical research in substantive fields of sociology. PREREQ: Soc 100.

338 Criminology (3)
Development of criminology as a discipline; contemporary theories and empirical research on the causes and prevention of criminal behavior. PREREQ: Soc 100.

339 Social Stratification (3)
Critical survey of major theories of stratification (Plato, Marx, Weber, Parsons, etc.) Analysis of social inequality in contemporary Western societies. PREREQ: Soc 100.

341 Social Stability and Change (3)
Critique of the leading models of social order and change; analysis of major transformation in Western civilization. PREREQ: Soc 100.

342 Applied Social Change (3)
Strategy and tactics of planning and guiding changes in small- and large-scale social systems. PREREQ: Soc 100, 341.

343 Small Groups (3)
Review of literature, with emphasis on experimental findings and models; critical survey of techniques, such as group dynamics and therapy, designed to change behavior through interpersonal or collective experience. PREREQ: Soc 100.

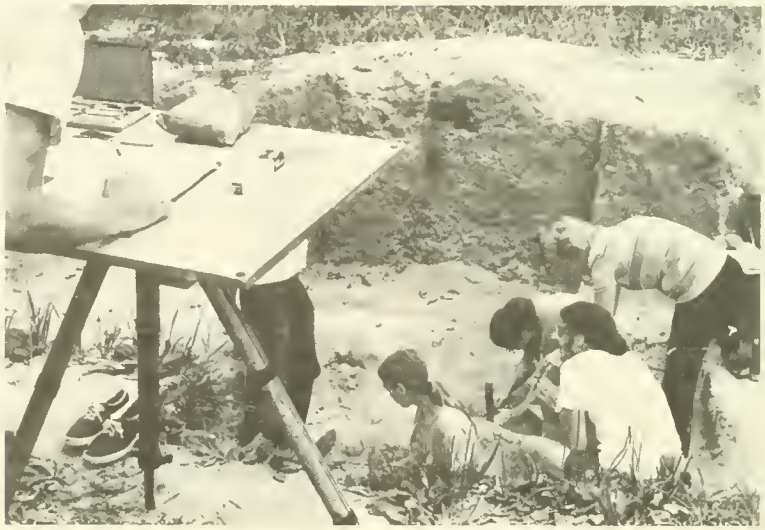
344 Complex Organizations (3)
Analysis of large-scale formal organizations: industrial, governmental, religious, military, political, and educational, with emphasis on bureaucracy as the dominant form of social organization in the West. PREREQ: Soc 336.

345 Sociology of Religion (3)
Theoretical analysis of social functions of religion; history and internal structure of religious institutions; their relationships with other institutions. PREREQ: Soc 100.

400 Senior Seminar in Sociology (3)
Discussion and supervised research designed to integrate conceptual and methodological skills. Required of all majors.

405 Topical Seminar in Sociology (3)
Special topics in theory or methodology. Topics announced in advance. Admission by permission of instructor. Open to juniors and seniors only.

410 Independent Studies in Sociology (1 to 3)
Individual research projects, reports, and/or readings. Open to seniors only. PREREQ: permission of department chairman.



Interdisciplinary Programs and Course Offerings

Bachelor of Arts in American Studies

Areas of Emphasis in { Latin-American Studies / Russian Studies

Course Offerings in { American Studies / Humanities

BACHELOR OF ARTS—American Studies

The American Studies program prepares students for living and working in the changing American scene. Exposure to the breadth of American culture is applied to a narrower vocational interest defined by the student.

1. General Requirements See Page 45.	62 s.h.

2. Required Core	21 s.h.
Introduction to American Studies (AMS 300)	1
American Literature I-II (Lit 323-324)	6
History of United States I-II (His 211-212)	6
Material Culture of U.S. I, II, or III (AMS 301, 302, or 303) (choose any two)	6
Senior Thesis or Project (AMS 400)	2

3. Elective Core	14-15 s.h.
Five courses chosen from:	
American Music (Mus 322)	2
American Philosophy (Phi 484)	3
American Art (Art 413)	3
Afro-American Art (Art 404)	3
Technology and American Life (His 317)	3
Mass Media in Society (Eng 211)	3
Minority Cultures in American Literature (Lit 340)	3
Social and Cultural History of the U.S. (His 319)	3
American Political Ideas (PSc 335)	3

4. Elective Concentration	30-31 s.h.

American Studies majors are to submit for approval a proposal for a course of study and sequence of courses, e.g., ethnic studies. For guidance in the selection of a course track consult the Chairman or other members of the American Studies Committee. A list of the current Committee membership may be obtained from the office of either the School of Social and Behavioral Sciences or the School of Arts and Letters.

COURSE OFFERINGS FOR AMERICAN STUDIES

AMS 300 Introduction to American Studies (1)
Orientation to a methodology and bibliography of American Studies as an interdisciplinary investigation.

AMS 301 Material Culture of U. S. I: Art and Images (3)
Colonial period. Cultural approach to development of American values related to visual expression and imaging. Cross-study analysis of the impact of image and object on folk and elite traditions interacting with Indian culture.

AMS 302 Material Culture of U.S. II: Art and Images (3)
19th century. Emphasis on ethnic contributions to the "American mainstream." Particular focus on black Americans.

AMS 303 Material Culture of U.S. III: Art and Images (3)
20th century. Art movements are related to the changed social climate generated by technological materialism. Dehumanization and the development of a new humanism. Particular focus on the influence of youth and counterculture.

AMS 400 Senior Thesis or Project (2)
A concluding "statement" incorporating the interdisciplinary generalist approach.

AMS 401 Independent Studies (1-3)
An opportunity to pursue alternative outside-the-classroom study projects; field work in community resources, etc.

LATIN-AMERICAN AND RUSSIAN STUDIES

Any student in the College, regardless of his area of specialization, may earn a transcript recognition and a letter of verification in Latin-American Studies or Russian Studies after satisfactory completion of 21 semester hours of work, distributed as follows:

I. Latin American Studies	21 s.h.
Required	
1. Spanish Language (intermediate level or above)	6
2. Latin-American Civilization and History	6
Electives	9
(From Latin-American-oriented courses in geography, economics, political science, sociology, literature, education, or fine arts.)	

II. Russian Studies	21 s.h.
Required	
1. Russian Language (intermediate level or above)	6
2. Russian History	6
Electives	9
(From Russian-oriented courses in geography, economics, political science, sociology, literature, education, or fine arts.)	

A student should maintain a 3.0 average in area-studies courses to be recommended for graduate work in the area-studies concentration he chooses.

Detailed information about the Latin-American and Russian Studies areas of emphasis may be obtained from the Director of International Education, Recitation Hall.

COURSE OFFERINGS IN HUMANITIES

(For further information see the Office of the School of Arts and Letters)

Hum 370 Seminar in Science and Human Values (3)
Man's relationship to his natural environment as seen by scientist and humanist. Offered on a pass-fail basis.

Hum 380 The Arts of Africa (3)
The visual arts, music, dance, and literature (including drama and folklore) of African countries. Emphasis on the arts of the traditional tribal society. Some contemporary developments, particularly in literature, considered. Juniors and seniors only.

Hum 390 Women in Contemporary Society (3)
An interdisciplinary course designed to analyze sexist attitudes and ideologies, structured social inequality, and the changing cultural patterns in contemporary society. Offered on a pass-fail basis.

Hum 400 The Contemporary Arts: An Aesthetics Approach (3)
Interdisciplinary exploration of basic aesthetics principles appearing simultaneously in contemporary art forms: dance, music, art, literature, drama. Offered on a pass-fail basis.

Administration

PRESIDENT	PAUL W. ROSSEY
VICE PRESIDENT FOR ACADEMIC AFFAIRS	ALBERT E. FILANO

Associate Vice President for Academic Affairs	DENNIS D. BELL
Assistant to the Vice President for Academic Affairs	BERNARD F. SIEGEL
Dean of Undergraduate Studies	EMIL H. MESSIKOMER
Associate Dean of Undergraduate Studies	JOHN C. LEWIS
Director of Scheduling and Academic Records	WILLIAM U. HODGSON
Dean of Graduate Studies	WILLARD J. TREZISE
Assistant to the Dean of Graduate Studies	WILLIAM C. SKILLEN
Dean, School of Arts and Letters	JOHN W. CLOKEY
Associate Dean for Graduate Studies, School of Arts and Letters	POWELL S. THOMAS
Dean, School of Education	HAROLD W. BENDA
Associate Dean, School of Education	JOHN A. LANDER
Associate Dean for Graduate Studies, School of Education	MICHAEL F. BANNON
Principal of the Laboratory School	GERALD B. CARTRIGHT
Director of Student Teaching	MARK M. EVANS
Dean, School of Health and Physical Education	EDWIN L. YOUMANS
Assistant to the Dean, School of Health and Physical Education	EDWIN B. COTTRELL
Associate Dean for Graduate Studies, School of Health and Physical Education	EDWARD N. NORRIS
Director of Athletics	ROBERT W. REESE
Dean, School of Music	CHARLES A. SPRENKLE
Associate Dean, School of Music	ALEXANDER ANTONOWICH
Associate Dean for Graduate Studies and Research, School of Music	IRA C. SINGLETON
Dean, School of Sciences and Mathematics	RUSSELL K. RICKERT

Dean, School of Social and Behavioral Sciences	Byron Y. Fleck
Associate Dean, School of Social and Behavioral Sciences	Joseph M. Thorson
Director of Curriculum Enrichment and Director of Higher Education Opportunity Program	Jody M. Harris
Director of Summer Sessions	Walter E. Buechele
Director of Admissions	R. Godfrey Studenmund
Assistant to the Director of Admissions	Herbert Lee
Assistant to the Director of Admissions	William E. Kipp
Director of the Educational Development Center	Everett A. Landin
Assistant Director, Educational Development Center	Donald Jenkins*
Director of Research and Related Services	Martin J. Higgins
Coordinator, Instructional Applications, Computer Center	Wesley E. Fasnacht
Associate Research Director for Grants	Ernest L. Peters
Director of Library Services	Frank Q. Helms
Assistant to the Director of Library Services	Mary E. Nehlig
Director of Educational Media Services	Richard L. Strayer

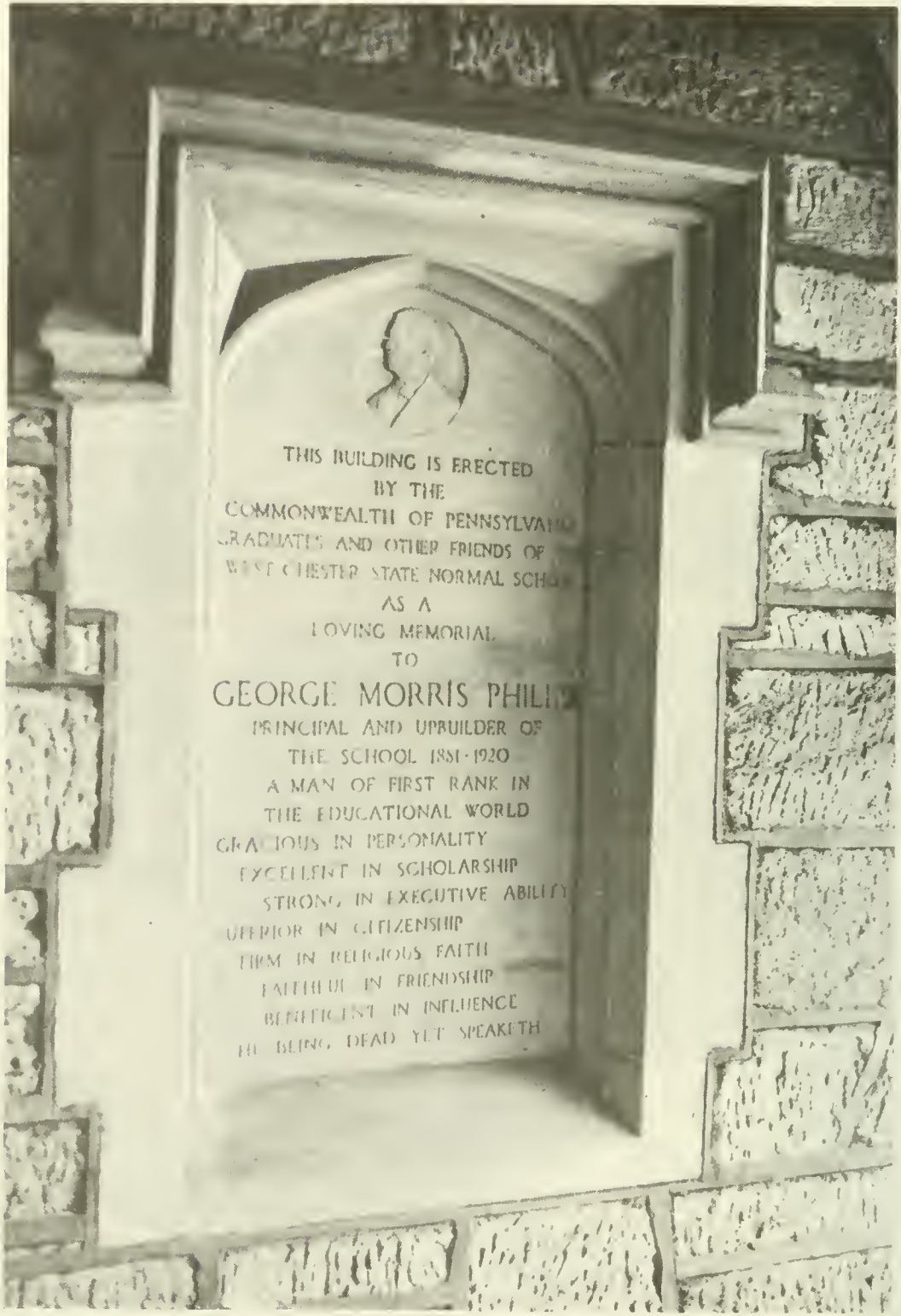
* On detached service from the Pennsylvania Department of Education.

Dean of Students	Louis F. Weislogel
Dean of Men	Kenneth F. Burda
Assistant Dean of Men	James M. Auch
Assistant Dean of Men	Robert S. Kurzinski
Dean of Women	Bernice Bernatz
Assistant Dean of Women	Barbara K. Biner
Assistant Dean of Women	Dorothy DePew
Assistant Dean of Women	Anne S. Kinnier
Director of Guidance and Counseling	Thomas B. Williams
Director of the Student Union	Appointment Pending
Manager, College Bookstore	Richard Fitzgerald

Dean of Administration	Elinor Z. Taylor
Director of Cultural Affairs	Constantine Johns
Director of Public Relations and Publications	William P. Houpt
Director of Financial Aid to Students	Theodore H. Butcher
Assistant Director of Financial Aid to Students	Robert S. Kurzinski
Director of Placement and Career Services	Edward T. Twardowski
Assistant Director of Placement and Career Services	Walter Blair
Director of College Events	Robert H. Jensen
Director of Alumni Affairs	George P. Lott, Jr.
Director of Medical Services	Philip Kistler, M.D.
Assistant Director of Medical Services	Jack C. White, M.D.

Director of Business Affairs	EVERETT E. SHAEFER
Assistant Director of Business Affairs	DAVID E. HICKMAN
Personnel Officer	HILARY R. MISSIMER
Assistant Personnel Officer	CRISS R. MATTISON
Purchasing Agent	EMILY C. HAINES
Budget Analyst	ROBERT E. HOLM
Accountant	Appointment Pending
Payroll Director	BARBARA WOLFE
Revenue Director	JOYCE BECK

Director of Facilities	ROBERT C. HANNUM
Assistant Director of Facilities	LLOYD W. BLACK, JR.
Administrative Assistant	DONALD A. HANBY
Chief, Physical Plant Department	ALFRED SYKES
Chief, Supply and Equipment Department	HAROLD C. DAVIDSON
Chief, Housekeeping Department	AGNES SPEAKMAN
Chief, Campus Police	SAMUEL P. SWEENEY


THIS BUILDING IS ERECTED
BY THE
COMMONWEALTH OF PENNSYLVA
GRADUATES AND OTHER FRIENDS OF
WEST CHESTER STATE NORMAL SCH
AS A
LOVING MEMORIAL
TO
GEORGE MORRIS PHILL
PRINCIPAL AND UPBUILDER OF
THE SCHOOL 1881-1920
A MAN OF FIRST RANK IN
THE EDUCATIONAL WORLD
GRACIOUS IN PERSONALITY
EXCELLENT IN SCHOLARSHIP
STRONG IN EXECUTIVE ABILITY
SUPERIOR IN CITIZENSHIP
FIRM IN RELIGIOUS FAITH
FAITHFUL IN FRIENDSHIP
BENEFICENT IN INFLUENCE
HE BEING DEAD YET SPEAKETH

Faculty

[as of December 15, 1971]

PAUL W. ROSSEY (1969) *President, Professor of Education*
B.S., Jersey City State College; M.A., Ed.D., New York University

ALBERT E. FILANO (1956) *Vice President for Academic Affairs, Professor of Mathematics*
B.S., M.S., University of Pennsylvania; Ph.D., Pennsylvania State University

---

THOMAS J. AHLBORN (1967) *Associate Professor of Mathematics*
B.S., California State College; M.A., Kent State University

PETER AIZUPITIS (1967) *Assistant Professor of History*
B.A., Swarthmore College; M.S.M., University of Notre Dame

CHARLES M. ALEXANDER (1971) *Assistant Professor of Industrial Engineering (Part-time)*
M.E., M.S., Stevens Institute of Technology

LOIS W. ALT (1966) *Associate Professor of Voice*
B.S., Indiana University of Pennsylvania; B.Mus., M.Mus., University of Michigan

WANITA A. ANDERSON (1971) *Assistant Professor of English (Part-time)*
B.A., Coe College; M.A., Mills College

JAMES E. ANDREWS, *Visiting Professor of English from Cheyney State College*
A.B. (Political Science), A.B., A.M. (English), University of Wichita

FREDERICK R. ANNESLEY (1971) *Associate Professor of Secondary Education and Professional Studies*
B.A., Eastern Baptist College; M.Ed., D.Ed., Temple University

ALEXANDER ANTONOWICH (1945) *Associate Dean, School of Music; Professor of Music Education*
B.S., The Juilliard School; M.A., Ed.D., Columbia University

ELEANOR W. ASHKENAZ (1968) *Professor of Chemistry*
B.S., Ph.D., University of Pennsylvania

JAMES M. AUCH, JR. (1970) *Assistant Dean of Men, Assistant Professor*
B.S., West Chester State College; M.A. in Ed., St. Joseph's College (Pa.)

HAROLD BABSON, JR. (1969) *Associate Professor of Business Administration*
B.A. in Bus. Adm., M.B.A., Northeastern University; M.A., University of Pennsylvania

DOROTHY D. BAILEY (1958) *Professor of English*
B.A., Our Lady of the Lake College; M.A., University of Texas; Ph.D., University of Wisconsin

GEORGE H. BALDWIN (1967) *Associate Professor of Health and Physical Education*
B.S., Bowling Green State University; M.A., Professional Diploma, Columbia University

MICHAEL F. BANNON (1955) *Associate Dean for Graduate Studies, School of Education; Professor of Education*
B.S., Troy State University; M.A., Columbia University; Ed.D., George Peabody College for Teachers

PAUL A. BANYACSKI (1965) *Associate Professor of Philosophy*
B.A., Eastern Baptist College

EDWARD A. BARROW (1956) *Associate Professor of Brass*
B.Mus., M.Mus., Eastman School of Music; Ph.D., West Virginia University

LUTHER R. BARTH (1964)*Associate Professor of Secondary Education and Professional Studies*
B.S., Pennsylvania State University; M.Ed., Loyola University

ELISE BARTHOLOMEW (1970) *Associate Professor of Psychology*
B.A., Swarthmore College; M.A., Ph.D., Radcliffe College

ELIZABETH B. BEATTY (1960) *Assistant Professor of Music Theory and Composition/Piano/Music Education*
B.Mus., University of Michigan; Ed.M., Temple University

MARSHALL J. BECKER (1968) *Professor of Anthropology*
B.A., M.A., Ph.D., University of Pennsylvania

ROBERT M. BEDFORD (1966) *Associate Professor of Piano*
B.Mus., M.S., The Juilliard School

DENNIS D. BELL (1971) *Associate Vice President for Academic Affairs, Professor*
A.B., Defiance College; M.A., Ph.D., Ohio State University

CAROL BELMAIN (1971) *Associate Professor of Music Education*
B.S., M.S., Ithaca College

HAROLD W. BENDA (1956) *Dean, School of Education; Professor of Education*
B.A., University of Northern Iowa; M.A., University of Iowa; Ed.D., New York University

ALAN D. BENSON (1970) *Associate Professor of Mathematics*
B.S.M.E., M.S.M.E., Ph.D., Drexel University

JERE S. BERGER (1969) *Associate Professor of English*
B.A., Oberlin College; S.T.B., Episcopal Theological School; S.T.M., Union Theological Seminary; M.F.A., Carnegie-Mellon University

JAY H. BERKOWITZ (1969) *Associate Professor of Speech and Theatre*
B.S., M.A., Temple University

BERNICE BERNATZ (1954) *Dean of Women, Associate Professor*
B.A., University of Northern Iowa; M.A., University of Michigan

ROBERT W. BERNHARDT (1965) *Associate Professor of Biology*
B.S., M.S., Syracuse University

THOMAS E. BERRY (1946) *Professor of English*
A.B., A.M., University of Pennsylvania; Ph.D., University of Pittsburgh

FLOYD R. BIELSKI (1961) *Associate Professor of Geography*
B.S., Indiana State University; M.A., University of Illinois

BARBARA K. BINER (1970) *Assistant Dean of Women, Instructor*
B.A., University of Colorado; M.A., University of Denver

BARBARA R. BLACK (1970) *Instructor of Elementary Education and History*
B.S., Cheyney State College

LLOYD W. BLACK (1960) *Assistant Director of Facilities, Assistant Professor*
B.S., M.S., Temple University

WALTER R. BLAIR (1966) *Associate Director of Placement and Career Services, Associate Professor*
B.S., West Chester State College; M.Ed., Temple University

MARY M. BLISS (1952) *Assistant Professor of Biology*
A.B., Swarthmore College; M.S., Temple University

RICHARD A. BOERLIN (1961) *Associate Professor of Woodwinds*
B.S., M.S., University of Illinois

DALE R. BONSALL (1969) *Assistant Professor of Physical Education*
B.S., West Chester State College; M.Ed., Temple University

JOHN BOSWORTH-FLING (1965) *Associate Professor of English*
A.B., West Virginia University; M.A., Columbia University; M.S.J., Northwestern University

VALERIE E. BOYLAN (1968) *Assistant Professor of English*
B.A., M.A., University of Dublin

THOMAS J. BRADY (1967) *Professor of Political Science*
B.S., West Chester State College; J.D., Temple University

HAROLD BRAM (1965) *Assistant Professor of Sociology*
B.A., M.A., University of New Mexico

RICHARD G. BRANTON (1962) *Chairman, Department of Mathematics; Professor of Mathematics*
B.S., West Chester State College; M.S., University of Delaware; Ph.D., University of Pennsylvania

JUSTO B. BRAVO (1964) *Professor of Chemistry*
B.S., Adamson University (Manila); Ph.D., University of Kansas

TYRONE BREUNINGER (1965) *Instructor of Brass (Part-time)*
B.S., West Chester State College; M.M., Temple University

JAMES B. BRICE (1968) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., M.Ed., West Chester State College; M.A., Villanova University

MICHAEL W. BROOKS (1971) *Associate Professor of English*
B.A., Antioch College; M.A., Ph.D., University of Toronto

EMMA LEE BROWN (1969) *Head, Library Acquisitions Department; Associate Professor*
A.B. in Ed., Fairmount State College; M.S.L.S., Drexel University

JOYCE T. BROWN (1971) *Instructor of Nursing (Part-time)*
R.N., Dixie Hospital; B.S., West Chester State College

RELIS B. BROWN (1969) *Chairman, Department of Biology; Professor of Biology*
A.B., Albion College; Ph.D., Yale University

ROBERT H. BROWN (1969) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., Springfield College; M.A., Columbia University; Ph.D., Yale University

ROGER J. BROWN (1966) *Instructor of French*
B.S., West Chester State College

WILLIAM C. BROWN (1968) *Assistant Professor of Biology*
B.S., M.Ed., Bloomsburg State College

JOSEPH P. BROWNE (1966) *Associate Professor of English*
B.S., St. Joseph's College (Pa.); M.A., University of Pennsylvania

STELLA P. BRUTON (1964) *Associate Professor of English*
A.B., M.A., Stanford University

WALTER E. BUECHELE, JR. (1962) *Director of Summer Sessions, Associate Professor of Secondary Education and Professional Studies*
B.S., West Chester State College; Ed.M., Temple University

KENNETH F. BURDA (1971) *Dean of Men, Assistant Professor*
B.S., California State College; M.Ed., Central Washington State College

HOWARD JAMES BURGWIN, JR. (1968) *Assistant Professor of History*
B.A., Swarthmore College; M.A., University of Pennsylvania; Ph.D., University of Pittsburgh

MARY ANNE BURNS (1969) *General Reference and Special Collections Librarian, Instructor*
A.B., Immaculata College; M.S.L.S., Drexel University

WILLIAM F. BURNS (1964) *Associate Professor of Political Science*
B.A., Allegheny College; M.A., Case Western Reserve University

A. WAYNE BURTON (1965) *Associate Professor of Political Science*
B.A., Brigham Young University; M.A., University of Pennsylvania

THEODORE H. BUTCHER (1970) *Director of Financial Aid to Students, Associate Professor*
B.A., Lincoln University; M.B.A., Drexel University

J. WILLIAM BUTLER (1966) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Pennsylvania State University

MARGARETTA A. CAREY (1968) *Chairman, Department of Music Education; Professor of Music Education*
B.S., Lebanon Valley College; M.Mus., Eastman School of Music; Ed.D., Pennsylvania State University

ROBERT E. CARLSON (1961) *Professor of History*
B.A., M.A., Ph.D., University of Pittsburgh

CECILY G. CARMICHAEL (1962) *Children's Librarian, Instructor*
B.S., Simmons College

PAUL E. CARSON (1946) *Chairman, Department of Instrumental Music; Associate Professor of Woodwinds*
B.S., Central Missouri State College; M.F.A., Carnegie-Mellon University; Professional Diploma, Columbia University

JEANETTE D. CARTER (1969) *Reference Librarian, Assistant Professor*
B.A., Baylor University; M.L.S., University of Texas

GERALD B. CARTRIGHT (1961) *Principal, Laboratory School; Supervisor of Student Teaching, Associate Professor of Education*
B.S., Lock Haven State College; M.Ed., Pennsylvania State University

DIANE O. CASAGRANDE (1968) *Associate Professor of Speech*
A.B., Wayne State University; M.A., Temple University

LOUIS A. CASCIATO (1963) *Associate Professor of Science Education*
B.S., St. Joseph's College (Pa.); M.S., Villanova University

VERONICA CASTLE (1967) *Associate Professor of Health and Physical Education*
B.S., M.Ed., Ohio University

GARY D. CELAIN (1968) *Instructor of Health and Physical Education*
B.Mus. with major in Dance, Philadelphia Musical Academy

CONRAD E. CHALICK (1962) *Guidance Counselor, Associate Professor*
B.A., PMC Colleges; M.A., Villanova University

DAVID S. CHARTERS (1968) *Associate Professor of Physical Education*
B.S., M.S., Temple University

NONA E. CHERN (1968) *Associate Professor of Elementary Education*
B.S., Temple University; M.S., University of Pennsylvania

ALBERT CHIRICHELLA (1969) *Associate Professor of English*
B.A., University of Colorado; M.S., University of Wisconsin

CARMELA L. CINQUINA (1963) *Professor of Biology*
B.S., West Chester State College; M.S., Villanova University; Ph.D., Rutgers—The State University

GEORGE S. CLAGHORN (1963) *Chairman, Department of Philosophy; Professor of Philosophy*
B.A., University of Chattanooga; Ph.D., University of Pennsylvania

JAY L. CLARK (1967) *Chairman, Department of Psychology; Professor of Psychology*
B.A., University of Delaware; M.A., Ph.D., University of Minnesota

JOYZELLE CLARK (1965) *Associate Professor of Counselor Education*
B.A., Ed.M., State University of New York at Buffalo

MARY ELIZABETH CLEARY (1967) *Associate Professor of Secondary Education and Professional Studies*
B.A., St. Joseph's College for Women; A.M., Ed.D., George Washington University

JOHN W. CLOKEY (1946) *Dean, School of Arts and Letters; Professor of English*
B.S., West Chester State College; Ed.M., Temple University

KATHLEEN L. CLOSE (1971) *Assistant Professor of Special Education*
B.A., Cedar Crest College; M.A., Northwestern University

BARBARA J. COATES (1954) *Associate Professor of Health and Physical Education*
B.S., Lock Haven State College; M.A., Allegheny College

NORMAN A. COCHRAN (1956) *Professor of Health and Physical Education*
B.S., West Chester State College; M.A., Ed.D., University of Maryland

IRVING HERSCH COHEN (1969) *Professor of Music History and Literature*
B.A., M.A., Ph.D., New York University

MILTON R. COLLIER (1967) *Associate Professor of Health and Physical Education*
B.S., M.A., East Carolina University

JOHN C. COLLINS (1968) *Assistant Professor of Voice/Music Education*
B.S., The Juilliard School; M.A., Montclair State College

UEL W. COMBS, JR. (1967) *Assistant Professor of English*
B.A., Adams State College; M.A., Temple University

STELLA F. CONAWAY (1966) *Assistant Professor of Voice*
B.Mus., M.Mus., The Philadelphia Musical Academy

GERALDINE C. CONBEER (1946) *Head, Library Technical Processing Department; Associate Professor*
B.S., Millersville State College; B.S. in L.S., Drexel University; M.Ed., University of Pittsburgh

ROBERT T. CONSTABLE (1970) *Associate Professor of Social Welfare*
A.B., Georgetown University; M.S.W., Loyola University; D.S.W., University of Pennsylvania School of Social Work

WILLIAM F. COPE (1963) *Associate Professor of Theatre*
B.F.A., University of Oklahoma; M.A., Columbia University

THOMAS J. CORR (1966) *Associate Professor of English*
A.B., St. Joseph's College (Pa.); M.A., John Carroll University

RONALD E. COTE (1969) *Associate Professor of Mathematics*
B.A., M.S., University of New Hampshire

EDWIN B. COTTRELL (1955) *Assistant to the Dean, School of Health and Physical Education; Professor of Health and Physical Education*
B.S., Slippery Rock State College; M.Ed., University of Pittsburgh; Ed.D., Pennsylvania State University

JON A. COWEN (1967) *Assistant Professor of Sociology*
B.A., University of Massachusetts; A.M., University of Pennsylvania

W. STEPHEN CRODDY (1969) *Assistant Professor of Philosophy*
B.A., University of Southern California; M.A., Temple University; Ph.D., Brown University

FLORENCE JOSEPH CROWLEY (1968) *Professor of History*
B.A., M.A., Brooklyn College; Ph.D., University of Florida

GEORGANN CULLEN (1964) *Associate Professor of Biology*
B.S., M.A., Kent State University

HOWARD W. CUNNINGHAM (1970) *Assistant Professor of Health and Physical Education*
B.S., Temple University; M.S., Bucknell University

ALMA C. CURRY (1970) *Assistant Professor of Biology*
B.S., M.S., University of Philippines; M.S., University of Pennsylvania

LINDA J. D'ALONZO (1971) *Foreign Language Grant Project, Instructor*
B.A., Temple University

ALVIN B. DAVIS (1948) *Associate Professor of Health and Physical Education*
B.S., Panzer College; M.A., Montclair State College

HARRY H. DEISCHER (1966) *Supervisor of Student Teaching, Professor of Education*
B.S., M.A., M.S., Ed.D., University of Pennsylvania

JOHN L. DEMILLION, JR. (1970) *Associate Professor of Health Education*
B.S., Slippery Rock State College; M.Ed., University of Pittsburgh

THOMAS DEMOTT (1969) *Professor of Biology*
A.M.E., PMC Colleges; V.M.D., University of Pennsylvania

DOROTHY H. DEPEW (1967) *Assistant Dean of Women, Instructor*
B.S., West Chester State College

PHILLIP B. DONLEY (1965) *Associate Professor of Health and Physical Education*
B.S., M.S., West Virginia University; Certificate in Physical Therapy, D.T. Watson School of Physiatrics

JOHN E. C. DORCHESTER (1961) *Professor of Biology*
B.A., M.A., University of British Columbia; Ph.D., University of Toronto

RAYMOND A. DOYLE (1965) *Associate Professor of History*
B.S., West Chester State College

A. SCOTT DUNLAP (1967) *Assistant Professor of Elementary Education*
B.A., King's College (N.Y.); M.Div., Eastern Baptist Theological Seminary

MARC L. DURAND (1968) *Professor of Chemistry*
B.S., Holy Cross College; Ph.D., University of New Hampshire

JOHN L. EBERHART (1969) *Assistant Professor of Speech Pathology and Audiology*
B.S., Bloomsburg State College; M.A., Syracuse University

ARTHUR C. ECKERMAN (1971) *Professor of Industrial Relations*
B.A., Pomona College; M.A., Baylor University; Ph.D., Purdue University

CAROL A. ECKMAN (1967) *Assistant Professor of Health and Physical Education*
B.S., Lock Haven State College; M.S., West Virginia University

JACK P. EDWARDS (1968) *Assistant Professor of Secondary Education and Professional Studies*
B.S., M.Ed., West Chester State College

THOMAS EGAN (1968) *Associate Professor of Mathematics*
B.S., M.Ed., West Chester State College

JOHN E. EHLEITER (1969) *Associate Professor of Earth Sciences*
A.B., Franklin and Marshall College; M.A., Wesleyan University

RALPH A. EISENSTADT (1965) *Assistant Professor of German*
B.A., University of Pennsylvania; M.A., University of Illinois

DAVID S. ELDREDGE (1967) *Associate Professor of Political Science*
B.A., Yale University; A.M.T., C.A.S., Harvard University

JORGE ESCORCIA (1968) *Associate Professor of Spanish*
Lic., Universidad Pedagogica del Caribe; M.A., Boston University

MARK M. EVANS (1947) *Director, Student Teaching; Professor of Education*
B.Ph., Dickinson College; M.Ed., Ph.D., University of Pittsburgh

EDWARD G. EVERETT (1954) *Professor of History*
B.S., Indiana University of Pennsylvania; M.A., Ph.D., University of Pittsburgh

JOSEPH FALGIE (1970) *Associate Professor of English*
B.A., Temple University; M.A., Ph.D., University of Pennsylvania

WESLEY E. FASNACHT (1967) *Coordinator, Instructional Applications, Computer Center; Assistant Professor of Mathematics*
B.S., Millersville State College; M.S., State University of New York at Buffalo

RUTH C. FELDMAN (1967) *Professor of Psychology*
B.A., M.A., Ohio State University; M.S.S., Case Western Reserve University; Ed.D., Temple University

JOHN P. FIELD (1970) *Associate Professor of English*
A.B., Bowdoin College; M.B.A., Harvard University; M.A., Ph.D., University of Cincinnati

JUDITH S. FINKEL (1968) *Assistant Professor, Laboratory School*
B.S., Temple University

JOSEPH T. FISHER (1968) *Associate Professor of Health Education*
B.S., Slippery Rock State College; M.S., University of Illinois

BYRON Y. FLECK (1953) *Dean, School of Social and Behavioral Sciences; Professor of History and Political Science*
B.A., M.A., Ph.D., University of Iowa

ARNOLD FLETCHER (1946) *Professor of Piano*
B.S., Ed.M., Temple University; Ed.D., University of Pennsylvania

ROBERT E. FOERY (1971) *Associate Professor of Chemistry*
B.S., LeMoyne College; M.S., Providence College; Ph.D., University of Iowa

FRANK B. FORD (1965) *Assistant Professor of English*
B.A., M.A., University of Connecticut

WILLIAM D. FORDYCE (1968) *Associate Professor of English*
A.B., A.M.T., A.M., Ph.D., Harvard University

CLAUDE R. FOSTER, JR. (1967) *Professor of History*
B.A., Eastern Baptist College; M.A., University of Delaware; Th.M., Crozer Theological Seminary; Ph.D., University of Pennsylvania

FRANK FOX (1967) *Professor of History*
B.S., Temple University; M.A., University of Pennsylvania; Ph.D., University of Delaware

THOMAS J. FRANCELLA (1965) *Associate Professor of Secondary Education and Professional Studies*
A.B., Syracuse University; M.A., Villanova University

HOWARD FREEMAN (1961) *Professor of Special Education*
B.S., Millersville State College; M.A., University of Wyoming; Ed.D., University of Pennsylvania

MARY LOU FRENZ (1967) *Associate Professor of Voice*
B.Mus., M.Mus., Westminster Choir College

H. RAYMOND FRIDAY (1969) *Associate Professor of Voice and Choral Music/Clarinet*
B.S., West Chester State College; M.Mus., Oberlin College; Diploma, Academy of Vocal Arts

WALTER E. FRIEMAN, JR. (1961)*Professor of Classical Languages*
B.S., New York University; S.T.B., General Theological Seminary; S.T.M., Th.D., Philadelphia Divinity School

WALTER E. FUNK (1966) *Chairman, Department of Health Education; Associate Professor of Health and Physical Education*
B.S., Pennsylvania State University; M.Ed., University of Delaware

JOHN J. FURLOW (1961) *Associate Professor of Health and Physical Education*
B.S., M.Ed., West Chester State College

CHARLES D. GANGEMI (1961) Associate Professor *of Piano/Music Theory and Composition*
B.Mus., M.A., University of Pennsylvania

WILLIAM N. GARRETT (1966) *Professor of English*
A.B., Ph.D., Columbia University

JOHN L. GAUNT (1970) *Assistant Professor of English*
A.B., M.A., Tulane University

HARA GEORGIOU (1969) *Assistant Professor of French (Part-time)*
B.A., New York University; M.A., Bryn Mawr College

EDWARD B. GERMAN (1966) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., Kutztown State College; M.Ed., Temple University

EDWARD H. GIBSON (1967) *Assistant Professor of Elementary Education*
B.S., West Chester State College; M.Ed., Lehigh University

LOUISE S. GIUNTA (1963) *Assistant Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Temple University

RICHARD C. GLEOCKLER (1967) *Associate Professor of Secondary Education and Professional Studies*
B.S., Bloomsburg State College; M.Ed., Bucknell University

DUSAN P. GLUMAC (1963) *Associate Professor of Russian*
M.Div., M.S., M.A., University of Belgrade

JOSEPH A. GOEBEL, JR. (1968) *Instructor of Percussion (Part-time)*
B.S., Millersville State College

GEORGE F. GOLDEN, JR. (1971) *Assistant Professor of Special Education (Part-time)*
B.S., West Chester State College; M.A., Villanova University

CHARLES W. GOOD (1966) *Supervisor of Student Teaching, Associate Professor of Education*
B.A., Pennsylvania State University; M.A., University of Pennnsylvania

CHARLOTTE M. GOOD (1965) *Associate Professor of Elementary Education*
B.S., Bucknell University; M.Ed., Pennsylvania State University

HENRY E. GOODWIN (1960) *Associate Professor of Health and Physical Education*
B.S., Lock Haven State College; M.S., Pennsylvania State University

MIRIAM S. GOTTLIEB (1946) *Associate Professor of Piano*
A.B., University of Denver; M.A., Columbia University; Certificate, Diploma, The Juilliard School

RONALD L. GOTTSHALL (1966) *Associate Professor of Counselor Education*
B.S., Shippensburg State College; M.A., Michigan State University

RONALD L. GOUGHER (1969) *Director of International Education, Associate Professor of German*
B.A., Muhlenberg College; M.A., Lehigh University

JOHN H. GRAFTON (1961) *Supervisor of Student Teaching, Assistant Professor of Education*
B.S., West Chester State College; M.A., Scarritt College

CHARLES W. GRASSEL (1968) *Associate Professor of Geography*
B.S., M.S., University of Pennsylvania

PATRICIA E. GRASTY (1970) *Assistant Professor of Elementary Education*
B.S., West Chester State College; M.Ed., Temple University

ANDREW W. GREEN (1970) *Associate Professor of Business Administration and Economics*
B.S., New York University; L.L.B., Dickinson School of Law; M.B.A., Ph.D., University of Pennsylvania

PAUL D. GREEN (1971) *Associate Professor of English*
A.B., Temple University; A.M., Ph.D., Harvard University

SAUL H. GREENBERG (1963) *Associate Professor of Counselor Education*
B.S., M.Ed., Pennsylvania State University

SEYMOUR S. GREENBERG (1964)*Chairman, Department of Earth, Space, and General Sciences; Professor of Geology*
B.S., Brooklyn College; A.M., Ph.D., Indiana University

ROBERT GREENE (1967) *Assistant Professor of French*
A.B., A.M., University of Pennsylvania

MILDRED L. GREENWOOD (1965) *Associate Professor of Health and Physical Education*
A.B., Wheaton College; M.Ed., Temple University

CATHERINE E. GREGG (1954) *Professor of Psychology*
B.A., Oberlin College; M.A., Case Western Reserve University; Ph.D., Columbia University

RITA V. GRIFFITH (1967) *Chairman, Department of Speech Pathology and Audiology; Professor of Speech Pathology and Audiology*
B.A., Nazareth College of Rochester; A.M., Cornell University; Ph.D., Ohio State University

YVONNE GROS (1963) *Assistant Professor of Health and Physical Education*
B.S., Ursinus College

BERNARD M. GROSS (1969) *Associate Professor of Secondary Education and Professional Studies*
B.S. in Ed., M.Ed., Ed.D., Temple University

TERRY E. GUIDETTI (1966) *Assistant Professor of Clarinet*
B.Mus.Ed., M.Mus., Northwestern University

JUDITH R. GUMERMAN (1969) *Professor of Mathematics*
B.A., M.A., University of Pennsylvania; Ph.D., University of Illinois

MADELYN GUTWIRTH (1966) *Professor of French*
B.A., Brooklyn College; M.A., Ph.D., Bryn Mawr College

ETHEL G. HAAS (1953) *Associate Professor of Elementary Education*
B.S., State University of New York College at Plattsburgh; M.Ed., University of Maryland

JAMES E. HABECKER (1964) *Associate Professor of Elementary Education*
A.B., Franklin and Marshall College; M.Ed., Western Maryland College

SAUNDRA HALL (1964) *Assistant Professor of Speech and Theatre*
B.A., M.A., Ohio State University

JOSEPHINE C. HAMPSON (1963) *General Reference and Interlibrary Loan Librarian, Assistant Professor*
B.S., West Chester State College; M.S.L.S., Drexel University

ROBERT C. HANNUM (1966) *Director of Facilities, Associate Professor*
B.S., Michigan State University; M.S., University of Pittsburgh

HUBERT E. HARBER (1970) *Associate Professor of Astronomy Education*
B.S., Louisiana State University; M.B.S., University of Colorado; M.A.T., Brown University

CLIFFORD H. HARDING (1953) *Chairman, Department of Political Science; Professor of Political Science and History*
A.B., Peru State College; M.A., University of Iowa; Ph.D., New York University

JODY M. HARRIS (1970) *Director of Curriculum Enrichment; Director, Higher Education Opportunity Program; Professor*
B.S., Tuskegee Institute; M.A., Columbia University; Ed.D., Pennsylvania State University

YOKO HASHIMOTO (1969) *Associate Professor of Theatre*
A.B., A.M., Aoyama Gakuin University (Japan); A.M., University of Michigan

JOAN HASSELQUIST (1968) *Supervisor of Student Teaching, Assistant Professor of Elementary Education*
B.S., Ed.M., Temple University

EUGENE W. HASSLER (1969) *Associate Professor of Accounting*
B.S., Albright College; M.B.A., Indiana University; C.P.A., State of Indiana

ELIZABETH ANNE HASSON (1970) *Instructor, Laboratory School*
B.S., M.Ed., West Chester State College

J. BERNARD HAVILAND (1968) *Professor of English*
B.A., Princeton University; M.A., Harvard University; Ph.D., Dublin University

ROBERT W. HAWKES (1962) *Associate Professor of Physics*
B.S., West Chester State College; M.S., Pennsylvania State University

ARTHUR S. HAWTHORNE (1949) *Associate Professor of Geography*
B.S., California State College; M.A., University of Pittsburgh

JACK G. HAWTHORNE (1965) *Associate Professor of Art*
B.A., Philadelphia College of Art; M.S., M.F.A., University of Pennsylvania

WAYNE HAYWARD (1969) *Professor of English*
B.A., University of Washington; M.A., Cornell University; Ph.D., University of Birmingham (England)

THELMA J. HELLER (1969) *Associate Professor of Health Education*
B.S., West Chester State College; Ed.M., Temple University

FRANK Q. HELMS (1966) *Director of Library Services, Associate Professor*
B.A., University of Delaware; M.L.S., Rutgers—The State University

PAMELA HEMPHILL (1970) *Associate Professor of Art*
B.A., Manchester University; Ph.D., University of Pennsylvania

WILLIAM B. HENRY (1960) *Professor of English*
A.B., University of Pennsylvania; Ed.M., A.M., Ph.D., Temple University

ROBERT W. HERRES (1961) *Associate Professor of Elementary Education*
B.S., State University of New York College at Oswego; M.A., Syracuse University

LEONARD S. HEVERLY (1967) *Head, Library Serials Department; Associate Professor*
B.S., West Chester State College; M.A., University of Pennsylvania; M.S.L.S., Villanova University

ROBERT A. HEWITT (1971) *Assistant Professor of Reading*
B.A., Eastern Baptist College; M.Ed., Temple University

MARTIN J. HIGGINS (1967) *Director of Research and Related Services, Professor of Educational Research*
B.S., University of Dayton; M.A., Ph.D., University of Maryland

JULIUS M. HILL (1955) *Professor of Counselor Education*
B.S., Northern Michigan University; M.A., Ph.D., University of Michigan

SUSAN G. HILL (1971) *Assistant Professor of English*
B.A., University of California at Los Angeles; M.A., Stanford University

WALTON B. HILL (1971) *Acting Chairman, Department of Counselor Education; Associate Professor of Counselor Education*
B.S., Bloomsburg State College; M.S., Bucknell University; Ed.D., Temple University

JOSEPH B. HIRT (1971) *Assistant Professor of Special Education (Part-time)*
B.S., New Jersey State Teachers College; M.A., Columbia University

PERRY F. HOBERG (1965)*Associate Professor of Art*
B.F.A., B.S., Temple University; M.A., University of Delaware

WILLIAM U. HODGSON (1968) *Director of Scheduling and Academic Records, Assistant Professor of Mathematics*
B.S., University of Pittsburgh; M.Ed., West Chester State College

PHILIP HOGGARD (1968) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., Jersey City State College; Ed.M., Rutgers—The State University

JOHN HOLINGJAK, JR. (1965) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., Kutztown State College; Ed.M., Temple University

DANIEL N. HOOKER (1971) *Instructor of Health and Physical Education*
B.S., Medical College of Virginia; M.Ed., University of Southern California

WILLIAM P. HOUPT (1963) *Director of Public Relations and Publications, Professor of History*
A.B., M.A. (History), M.A. (Literature), Ph.D., University of Pennsylvania

CAROLE A. HOUSEMAN (1970) *Assistant Professor of Elementary Education*
B.S., M.A., West Virginia University

VIRGINIA M. HUFFMAN (1967) *Associate Professor of Health and Physical Education*
B.S., East Stroudsburg State College; M.S., Pennsylvania State University

CLAUDE HUNSBERGER (1967) *Associate Professor of English*
B.A., Temple University; M.A., Michigan State University

DONALD E. HURFORD (1971) *Supervisor of Student Teaching, Associate Professor*
B.A., Boston University; M.Ed., Bridgewater State College

LAWRENCE V. IACONO (1966) *Associate Professor of Political Science*
B.S., St. Joseph's College (Pa.); M.Ed., West Chester State College

HELEN T. IVINS (1946) *Assistant Professor of History*
B.S., West Chester State College; M.S., University of Pennsylvania

JOHN M. JACECKO (1967) *Supervisor of Student Teaching, Associate Professor*
B.S., M.Litt., University of Pittsburgh

SUZANNE T. JACOBS (1962) *Associate Professor of Speech*
A.B., University of Pennsylvania; Ed.M., Temple University

ROBERT H. JENSEN (1969) *Director of College Events, Assistant Professor*
B.A., Randolph-Macon College; M.A., University of Pennsylvania

CONSTANTINE JOHNS (1954) *Director of Cultural Affairs, Professor of Music History and Literature/Strings*
B.S., Southeast Missouri State College; M.A., Ed.D., Columbia University

PATRICIA C. JOHNSON (1966) *Chairman, Department of History; Professor of History*
B.A., Chestnut Hill College; Ph.D., University of Rochester

EMLYN H. JONES (1968) *Assistant Professor of Physical Education*
B.S., M.Ed., West Chester State College

HARRY G. JONES (1960) *Assistant Professor of Biology*
B.S., Millersville State College; M.S., University of Pennsylvania

RUBY J. JONES (1961) *Supervisor of Student Teaching, Assistant Professor of Education*
B.S., West Chester State College; M.S., Temple University

LEAH E. JORDAN (1962) *Professor of English*
B.A., Swarthmore College; M.A., Ph.D., University of Pennsylvania

GEORGE F. KANE (1966) *Guidance Counselor, Associate Professor*
B.A., Ursinus College; M.Ed., Temple University

RALPH H. KAPILIAN (1970) *Associate Professor of Health and Physical Education*
B.S., Springfield College; M.S., Ph.D., University of Illinois

BRENT KAPLAN (1968) *Associate Professor of Physics*
B.M.E., M.M.E., New York University

LAWRENCE D. KARAS (1971) *Instructor of Physical Education (Part-time)*
B.S., Ithaca College

CAROLYN B. KEEFE (1969) *Assistant Professor of Speech and Forensics*
A.B., Oberlin College; M.A., Temple University

ALVIN S. KEINARD (1948) *Chairman, Department of Geography; Professor of Geography*
B.A., Juniata College; M.Ed., Ed.D., Pennsylvania State University

JAMES T. KELLEHER (1968) *Associate Professor of English*
B.A., PMC Colleges; M.A., University of Pennsylvania

JOHN T. KELLY (1969) *Associate Professor of English*
B.S., St. Louis University; M.A., Ph.D., University of Oklahoma

AMMON G. KERSHNER, JR. (1965) *Professor of English*
B.A., M.S., A.M., Ph.D., University of Pennsylvania

CHARLOTTE E. KING (1955) *Professor of Elementary Education*
B.S., Ed.M., Ed.D., Temple University

ANNE S. KINNIER (1968) *Assistant Dean of Women, Assistant Professor*
A.B., University of Michigan; M.A., University of Iowa

WILLIAM E. KIPP (1969) *Assistant to the Director of Admissions, Associate Professor of Secondary Education and Professional Studies*
B.A., Ed.M., University of Pittsburgh

EUGENE KLEIN (1967) *Associate Professor of Cello*
B.M.E., Temple University; M.M.E., Indiana University

MARY L. KLINE (1968) *Assistant Professor of Nursing*
B.S., West Chester State College; M.S.N., University of Pennsylvania

SEBASTIAN S. KOH (1970) *Professor of Mathematics*
B.S., National Taiwan University; M.A., Wayne State University; Ph.D., University of California

ALLA S. KUHLMANN (1965) *Associate Professor of German*
Diplome, Catholic University of Louvain (Belgium); M.A., University of Belgrade (Yugoslavia)

MARIANNE H. KULASKI (1966) *Associate Professor of French*
B.A., Ursinus College; M.A., Villanova University

ALOIS H. KULHANEK (1961) *Assistant Professor of German*
B.S., Institute of Technology (Prague); M.A., University of Political and Social Science (Prague); Certificate, Charles University (Prague)

CARRIE C. KULP (1958) *Associate Professor of Elementary Education*
A.B., Wheaton College; M.Ed., University of Delaware

ROBERT S. KURZINSKY (1970) *Assistant Dean of Men, Assistant Director of Financial Aid to Students, Assistant Professor*
B.S., Bloomsburg State College; M.Ed., West Chester State College

JOHN A. LANDER (1965) *Associate Dean, School of Education; Professor of Education*
B.S., A.M., Temple University; Ph.D., University of Pennsylvania

EVERETT A. LANDIN (1967) *Director, Educational Development Center, Professor of Education*
A.B., M.Ed., Alfred University; Ed.D., Pennsylvania State University

WILLIAM R. LANDRUM (1953) *Associate Professor of English*
B.A., Virginia Military Institute; M.A., Temple University

GEORGE LANGDON (1956) *Professor of Geography*
B.S., M.S., Pennsylvania State University; Ph.D., Clark University

MONITA LANK (1970) *Associate Professor of Health and Physical Education*
B.S., M.A., Wichita State University; Ph.D., University of Iowa

BARBARA J. LAPPANO (1970) *Instructor of Health and Physical Education*
B.S., West Chester State College

VICTOR LASUCHIN (1970) *Associate Professor of Art*
B.F.A., M.F.A., University of Pennsylvania

KENNETH L. LAUDERMILCH (1968) *Assistant Professor of Brass*
B.S., Lebanon Valley College; M.Mus., New England Conservatory of Music

HERBERT LEE (1968) *Assistant to the Director of Admissions, Supervisor of Student Teaching, Associate Professor of Education*
B.S., M.Ed., West Chester State College

F. WILLIAM LEEDS (1963) *Associate Professor of Urban Education*
A.B., Temple University; M.A., University of Pennsylvania

BARBARA R. LEIGHTON (1966) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Temple University

JOHN D. LEMCKE (1965) *Professor of Health and Physical Education*
B.S., State University of New York College at Brockport; M.Ed., Ed.D., Temple University

JOHN C. LEWIS (1967) *Associate Dean of Undergraduate Studies, Supervisor of Student Teaching, Assistant Professor of Education*
B.S., West Chester State College; M.A., Villanova University

DAWN P. L'HEUREUX (1969) *Instructor of English (Part-time)*
B.A., University of Massachusetts; M.A., Lousiana State University

JAMES E. L'HEUREUX (1969) *Associate Professor of Mathematics*
B.S., M.S., Ph.D., Louisiana State University

MATILDA LIPSCOMB (1969) *Resident Director, Junior Year Abroad; Assistant Professor of French*
B.S., New York University; M.A., Washington University

TZEE-NAN K. LO (1971) *Associate Professor of Mathematics*
B.S., National Taiwan University; M.S., Ph.D., University of Chicago

RONALD P. LOMBARDI (1962) *Associate Professor of Romance Languages*
B.S., M.A., Ph.D., University of Pennsylvania

MELVIN M. LORBACK (1957) *Chairman, Department of Physical Education; Associate Professor of Health and Physical Education*
B.S., State University of New York College at Brockport; M.S., Pennsylvania State University

GEORGE P. LOTT, JR. (1971) *Director of Alumni Affairs, Associate Professor*
B.S., West Chester State College; M.A., Columbia University

JOHN M. LOWE, JR. (1970) *Associate Professor of Health and Physical Education*
B.S., M.S., West Virginia University

ALBERTA M. McAFEE (1970) *Assistant Librarian, Assistant Professor*
B.S., Kutztown State College; M.S.L.S., Drexel University

CHRISTINA W. McCAWLEY (1971) *Assistant Librarian, Assistant Professor*
B.A., Ohio Wesleyan University; M.S.L.S., Catholic University of America

DWIGHT L. McCAWLEY (1971) *Assistant Professor of English*
B.A., M.A., University of Tennessee; Ph.D., University of Illinois

RUTH L. McCOACH (1969) *Instructor, Laboratory School*
B.S., West Chester State College

JAMES M. McDONNELL (1953) *Associate Professor of Biology*
A.B., M.A., Temple University

LYNETTE F. McGRATH (1968) *Assistant Professor of English*
B.A., University of Sydney; B.A., M.A., Ph.D., University of Illinois

DONNA FARESE McHUGH (1968) *Associate Professor of Piano*
B.A., Dunbarton College; M.Mus., Catholic University of America

WILLIAM McKENDRY (1967) *Assistant Professor of Secondary Education and Professional Studies (part-time)*
B.A., Gettysburg College; M.S., Columbia University

DAVID E. McKENTY (1961) *Chairman, Department of English; Professor of English*
B.S., Temple University; M.A., Ph.D., University of Pennsylvania

ROBERT D. McKINNEY (1952) *Chairman, Department of Art; Associate Professor of Art*
B.S., Edinboro State College; M.Ed., Pennsylvania State University

CHESTER L. McTAVISH (1965) *Professor of Instructional Media Education*
B.S., Juniata College; M.S., Ed.D., Pennsylvania State University

JOHN A. MAIN (1971) *Associate Professor of Social Welfare*
B.F.S., University of New Mexico; M.S.W., University of Pennsylvania

ELI M. MANDELBAUM (1964) *Professor of Mathematics*
B.A., Temple University; M.A., Ph.D., University of Pennsylvania

KATHERINE A. MARGERUM (1959) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; Ed.M., Temple University

ALICE B. MARKOW (1965) *Professor of English*
A.B., University of Delaware; A.M., University of Maryland; Ph.D., University of Pennsylvania

EMIL M. MARKOW (1965) *Associate Professor of Voice*
B.S., M.A., Columbia University

MYLES MARTEL (1967) *Associate Professor of Speech*
B.A., University of Connecticut; M.A., Temple University

RACHEL A. MARTIN (1969) *Associate Professor of Physical Education*
B.S., West Chester State College; M.Ed., Temple University

MARGARET Y. MARTINEZ (1967) *Associate Professor of Biology*
A.B., University of Pennsylvania; M.A., Columbia University

JOYCE H. MATHESON (1971) *Assistant Librarian, Instructor (Part-time)*
B.S., M.S.L.S., Drexel University

ROBERT G. MATHEWS, JR. (1967) *Assistant Professor of English*
B.A., Ohio State University; M.A., Middlebury College

SUSAN MAXWELL (1969) *Associate Professor of Speech Pathology and Audiology*
B.A., Whittier College; M.A., Ohio University

ROBERT S. MEANS (1971) *Professor of Secondary Education and Professional Studies*
B.A., M.A., Ph.D., University of Alabama

ROBERT W. MEDEIROS (1968) *Professor of Chemistry*
B.S., University of Maine; M.S., Ph.D., University of Delaware

LAUREN B. MEISWINKEL (1967) *Associate Professor of Speech*
B.S., Pennsylvania State University; B.D., Drew University; M.A. (History), M.A. (Rhetoric Public Address), Temple University

JOHN B. MELBY, JR. (1971) *Assistant Professor of Music Theory and Composition*
B.Mus., Curtis Institute of Music; M.A., University of Pennsylvania; M.F.A., Princeton University

JOHN E. MERCER (1970) *Instructor of Mathematics (Part-time)*
B.S., West Chester State College

RICHARD C. MERRELL (1969) *Associate Professor of Music Education*
B.S., West Chester State College; M.Mus., Eastman School of Music

EMIL H. MESSIKOMER (1946) *Dean of Undergraduate Studies, Professor of Health and Physical Education*
B.S., West Chester State College; M.A., Columbia University

ROBERTA M. MILGRAM (1969) *Associate Professor of Psychology*
B.A., Boston University; B.J.Ed., Boston Hebrew Teachers College; M.A., Boston University; Ed.D., American University

GLENN E. MILLER (1971) *Foreign Language Grant Project, Instructor*
B.A., West Chester State College

ROBERT J. MILLER (1968) *Associate Professor of English*
B.S., Wilkes College; M.A., Columbia University

FRANK E. MILLIMAN (1960) *Associate Professor of Mathematics*
B.N.S., College of Holy Cross; A.B., Hobart College; A.M., Columbia University

JAMES S. MILNE (1969) *Associate Professor of Political Science*
B.S., Kutztown State College; M.A., Villanova University; Ph.D., Temple University

KEGHAM A. MISSISSYAN (1970) *Professor of Secondary Education and Professional Studies*
B.A., American University (Beirut, Lebanon); M.A., Ph.D., University of Pennsylvania

MICHAEL MONTEMURO (1965) *Professor of Mathematics*
B.A., LaSalle College; M.A., Ed.D., Temple University

JEANNE MOORE (1971) *Professor of Music Education*
B.A., University of California at Los Angeles; M.M., D.M.A., University of Southern California

WILLIAM M. MOREHOUSE (1969) *Chairman, Department of Speech and Theatre; Professor of Speech and Theatre*
B.S., M.S., Ph.D., Purdue University

CLIFTON E. MORGAN (1956) *Associate Professor of History*
B.S., East Stroudsburg State College; M.A., Rutgers—The State University

JOHN J. MORGAN, JR. (1970) *Instructor of Instructional Media Education (Part-time)*
B.A., St. Bonaventure University

MARY ANN MORGAN (1962) *Instructor of Elementary Education; Instructor, Laboratory School*
B.S., East Stroudsburg State College

RONALD B. MORROW (1966) *Assistant Professor of Geography*
B.S., M.Ed., West Chester State College

WALENA C. MORSE (1968) *Assistant Professor of Psychology*
A.B., Duke University; M.A., Ph.D., Bryn Mawr College

JOSEPH G. MOSER (1966) *Associate Professor of Mathematics*
B.S., Rose Polytechnic Institute; M.S., Purdue University

SHIRLEY A. MUNGER (1968) *Professor of Music Theory and Composition/Piano/Music History and Literature*
B.A., M.A., University of Washington; D.M.A., University of Southern California; Diploma in piano, Conservatoire Nationale de Musique (Paris)

MARTIN H. MURPHY (1966) *Associate Professor of Anthropology*
A.B., A.M., University of Michigan

DAVID I. MYERS (1971) *Associate Professor of Elementary Education*
A.B., Elizabethtown College; M.Ed., Temple University

KOSTAS MYRSIADES (1969) *Assistant Professor of English*
B.A., University of Iowa; M.A., Indiana University

MARY E. NEHLIG (1967) *Assistant to the Director of Library Services, Associate Professor*
A.B., Wilson College; M.S.L.S., Drexel University

LARRY A. NELSON (1971) *Assistant Professor of Music Theory and Composition*
B.Mus., University of Denver; M.Mus., Southern Illinois University

WILLIAM F. NEWBORG (1971) *Instructor of Instructional Media Education (Part-time)*
B.S., West Chester State College

BILLY S. NEWMAN (1969) *Assistant Professor of Art*
B.S. in A.Ed., M.Ed., Kutztown State College

KATHARINE D. NEWMAN (1967) *Professor of English*
B.S., Temple University; M.A., Ph.D., University of Pennsylvania

DEBORAH NICKLES (1969) *Assistant Professor of Special Education*
B.S., West Chester State College; M.S., Syracuse University

EDWARD N. NORRIS (1958) *Associate Dean for Graduate Studies, School of Health and Physical Education; Professor of Health and Physical Education*
B.S., West Chester State College; M.S., Virginia Commonwealth University; Ed.D., Temple University

SARA M. NORTHEIMER (1969) *Assistant Professor of Music Education*
B.S., Ed.M., Temple University

BENJAMIN NUNEZ (1967) *Professor of Spanish and Linguistics*
B.A., Salta (Argentina); Licenciado en Letras, National Buenos Aires University; M.A., Ph.D., Columbia University

ROBERT P. NYE (1968) *Assistant Professor of Health and Physical Education*
A.B., Gettysburg College; M.Ed., West Chester State College

MARY ANN O'CONNELL (1970) *Instructor, Bureau of Research and Related Services*
B.A., Emmanuel College

PAUL G. O'GRADY (1967) *Assistant Professor of History*
B.A., M.A., University of Dublin

JEAN B. OCKER (1971) *Instructor of Physical Education (Part-time)*
B.A., Adelphi University

BERNARD S. OLDSEY (1969) *Professor of English*
B.A., M.A., Ph.D., Pennsylvania State University

WILLIAM R. OVERLEASE (1963) *Professor of Biology*
B.S., B.S.F., M.S., Ph.D., Michigan State University

JACK A. OWENS (1956) *Professor of Physical Education*
A.B., Concord College; M.S., West Virginia University; Ed.D., Pennsylvania State University

REYNOLD D. PAGANELLI (1967) *Associate Professor of Secondary Education and Professional Studies*
B.S., Bloomsburg State College; M.A., Catholic University of America; C.A.S., Johns Hopkins University

CHARLES W. PAGANO (1967) *Assistant Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Ohio University

WILLIE E. PAGE, JR. (1967) *Associate Professor of English*
A.B., East Carolina University; M.A., Florida State University

DONALD H. PAINTING (1970) *Associate Professor of Special Education (Part-time)*
A.B., University of Rochester; M.A., Ph.D., University of Kentucky

SUSAN B. PARKINSON (1968) *Associate Professor of Physical Education*
B.S., Pennsylvania State University; M.Ed., West Chester State College

CHARLES W. PATTERSON (1946) *Associate Professor of Secondary Education and Professional Studies*
B.S., Shippensburg State College; M.Ed., Duke University

HELEN G. PEACE (1970) *Associate Professor of Health and Physical Education*
B.S. in Ed., M.Ed., Temple University; M.S.N., University of Pennsylvania

MICHAEL A. PEICH (1968) *Assistant Professor of English*
B.A., Wartburg College; M.A., University of Pennsylvania

ROBERT E. PENNINGTON (1966) *Professor of Piano*
B.Mus., M.Mus., Mus.D., Northwestern University

AUSTIN O. PEREGO (1968) *Associate Professor of Speech and Theatre*
B.F.A., Drake University; M.A., University of Iowa

GENE K. PERRY (1970) *Assistant Professor of Mathematics*
B.S., M.Ed., Bloomsburg State College

ERMINIO J. PETA (1967) *Associate Professor of Elementary Education*
B.S., Kutztown State College; M.Ed., University of Florida

AMALIA T. PETERS (1969) *Assistant Professor of Spanish (Part-time)*
Institute of Juan Ramon Fernandez (Argentina); M.Ed., West Chester State College

ERNEST L. PETERS (1969) *Associate Research Director for Grants, Professor of Educational Research*
A.B., Lafayette College; M.A., Villanova University; Ed.D., University of Denver

FRANK E. PETERSON (1962) *Associate Professor of Speech Pathology and Audiology*
B.S., Edinboro State College; M.A., Columbia University

SHIRLEY T. PETHES (1968) *Associate Professor of Piano*
A.R.C.T., Royal Conservatory of Music of Toronto; Artist Diploma, University of Toronto; M.Mus., Indiana University

PIERRE PETIT (1971) *Instructor of French*
M.A., University of Bordeaux (France)

RUTH B. PETKOFSKY (1968) *Assistant Professor of Elementary Education*
A.B., Hunter College; M.A., University of Minnesota

FREDERICK C. PFLIEGER (1961) *Professor of Music History and Literature*
B.S., West Chester State College; M.Mus., Ph.D., University of West Virginia

HARRY W. PFUND (1967) *Professor of German (Part-time)*
A.B., Haverford College; A.M., Ph.D., Harvard University

THOMAS W. PLATT (1968) *Professor of Philosophy*
B.A., Washington and Jefferson College; M.A., University of Pittsburgh; Ph.D., University of Pennsylvania

MARGARET PLEMMONS (1968) *Instructor of Physics (Part-time)*
B.A., George Washington University

JACK PORTER (1968) *Professor of Psychology*
B.S., M.Ed., Ed.D., Temple University

NANCY H. POTEET (1971) *Assistant Professor of English*
B.S., University of Wisconsin; M.A., University of Illinois

ELIZABETH H. POTTIEGER (1965) *Assistant Professor of Psychology*
B.A., Albright College; M.A., Temple University

SUZANNE C. POVSE (1971) *Instructor of English*
B.A., M.A., Ohio University

WILLIAM G. PRATER (1969) *Associate Professor of English*
B.S., East Stroudsburg State College; M.A., Pennsylvania State University; Ph.D., Ohio University

SANDRA F. PRITCHARD (1967) *Assistant Professor, Laboratory School*
B.S., M.Ed., West Chester State College

JULIA PUERTA (1968) *Associate Professor of Spanish*
B.S., Escuela Magisterio (Leon, Spain); B.A., University of Madrid; Consejo Superior Investigaciones Cientificas (Madrid); M.A., University of Pennsylvania

WILLIAM J. RAHN (1965) *Associate Professor of Counselor Education*
B.S., Villanova University; M.Ed., Temple University

WILLIAM J. RAMPON (1967) *Associate Professor of Geography*
B.S., Indiana University of Pennsylvania; M.A., University of Oklahoma

WILLIAM J. RARICK (1968) *Assistant Professor of Art*
B.A., Philadelphia College of Art; M.F.A., Temple University

LESTER N. RECKTENWALD (1962) *Associate Professor of Secondary Education and Professional Studies*
B.S., M.A., University of Minnesota

DAVID L. REDMOND (1963) *Associate Professor of Instructional Media Education*
B.S., West Chester State College; M.S., Syracuse University

GEORGE F. REED (1966) *Professor of Astronomy and Science Education*
B.S., St. Joseph's College (Pa.); M.S., Ed.D., University of Pennsylvania

RUTH REED (1953) *Associate Professor of Health Physical Education*
B.S., East Stroudsburg State College; M.Ed., Pennsylvania State University

THOMAS G. REED (1967) *Instructor, Laboratory School*
B.S., West Chester State College

ROBERT W. REESE (1951) *Director of Athletics, Associate Professor of Health and Physical Education*
B.S., East Stroudsburg State College; M.S., University of Pennsylvania

RUSSELL E. REIS, JR. (1967) *Assistant Professor of Instructional Media Education*
B.S., West Chester State College

MARY-ANN REISS (1969) *Assistant Professor of Spanish (Part-time)*
B.A., Temple University; M.A., Villanova University

BARRY G. REMLEY (1968) *Assistant Professor of Health and Physical Education*
B.S., M.Ed., West Chester State College

JOHN W. REPSHER (1971) *Instructor of Health and Physical Education*
B.S.E., State University of New York College at Cortland

FRANCIS J. REYNOLDS (1961) *Chairman, Department of Chemistry; Professor of Chemistry*
B.S., Pennsylvania State University; Ph.D., University of Pennsylvania

CHARLES D. RICE (1970) *Associate Professor of Reading*
B.S., Clarion State College; M.Ed., Indiana University of Pennsylvania

RUSSELL K. RICKERT (1956) *Dean, School of Sciences and Mathematics; Professor of Physics*
B.S., West Chester State College; M.S., University of Delaware; Ed.D., New York University

WALTER N. RIDLEY (1968) *Chairman, Department of Secondary Education and Professional Studies; Professor of Secondary Education and Professional Studies*
A.B., M.A., Howard University; Ed.D., University of Virginia

DONN C. RILEY (1966) *Professor of History*
A.B., M.A., Ph.D., St. Louis University

ROBERT D. RIMEL (1966) *Assistant Professor of English*
B.S., West Chester State College; M.A., University of Delaware

FRANCES W. RING (1960) *Associate Professor of Art*
B.S., Columbia University; Ed.M., Temple University

STANLEY RIUKAS (1968) *Professor of Philosophy*
A.B., Classical Gymnasium (Lithuania); Ph.B., Th.B., Ph.L., Loyola University; Ph.D., New York University

SARAH E. RIVOIR (1964) *Head, Library Reference Department; Assistant Professor*
B.S., Temple University; M.S.L.S., Drexel University

ALFRED D. ROBERTS (1959) *Chairman, Department of Foreign Languages; Professor of French*
B.A., Ursinus College; M.A., Ph.D., University of Pennsylvania

RONALD F. ROMIG (1967) *Associate Professor of Biology*
B.S., Bloomsburg State College; M.Ed., University of Delaware

HARRISON C. ROPER (1969) *Assistant Professor of Instrumental Music*
B.A., Haverford College; M.Mus., Catholic University of America

SARAH L. ROWE (1963) *Instructor of English*
A.B., Dickinson College

PHILIP B. RUDNICK (1968) *Professor of Chemistry*
B.A., Yeshiva University; B.A., Ph.D., Rutgers—The State University

NANCY M. RUSH (1971) *Assistant Professor of Elementary Education*
B.S., West Chester State College; M.Ed., Temple University

GLENN W. SAMUELSON (1965) *Chairman, Department of Sociology and Anthropology; Professor of Sociology*
A.B., Wheaton College; M.A.R., Eastern Baptist Theological Seminary; Ed.D., University of Maryland

HAROLD R. SANDS (1969) *Professor of Psychology*
B.A., Rutgers—The State University; M.Ed., Temple University; Ph.D., Pennsylvania State University

HARRY G. SCHALCK (1964) *Professor of History*
A.B., Ursinus College; M.A., Ph.D., Clark University

ROBERT SCHICK (1961) *Professor of Piano*
B.A., Swarthmore College; M.A., Columbia University; A.Mus.D., Eastman School of Music

A. HUGH SCHINTZIUS (1970) *Instructor of Health and Physical Education (Part-time)*
Ed.B., State University of New York at Buffalo

LISELOTTE M. SCHMIDT (1970) *Professor of Music History and Literature*
B.Mus., Converse College; M.A., New York University; M.Mus., Manhattan School of Music; Ed.D., Columbia University

RICHARD A. SCHNEIDER (1967) *Associate Professor of German*
M.A., University of Heidelberg (Germany); Diploma, University of Barcelona (Spain)

DORIS R. SCHOEL (1963) *Chairman, Department of Nursing; Associate Professor of Nursing*
R.N., Bryn Mawr Hospital; B.S. in Nursing, Villanova University; M.S. in Ed., University of Pennsylvania

R. GERALD SCHOELKOPF (1969) *Head, Library Circulation Department; Instructor*
B.A., Villanova University; M.S.L.S., McGill University

EUGENE W. SCHOOLER (1961) *Professor of Economics*
B.S., Fort Hays Kansas State College; M.B.A., University of Kansas; A.M., Ph.D., Harvard University

NAOMI O. SCHOONOVER (1970) *Assistant Librarian, Associate Professor*
B.S. in Ed., Ed.M., Rutgers—The State University; B.L.S., Trenton State College

DALE V. SCHURR (1969) *Assistant Professor of Secondary Education and Professional Studies (Part-time)*
A.B., Ursinus College; M.S., M.A., University of Pennsylvania

GUS V. SERMAS (1971) *Assistant Professor of Health and Physical Education*
B.A., Baylor University; B.F.A., B.S., University of Texas; M.F.A., University of Wisconsin

NEIL A. SERPICO (1967) *Professor of Health and Physical Education*
B.A., University of New Hampshire; Ed.M., Boston University; Ed.D., University of Alabama

ANNE SESSA (1968) *Associate Professor of History*
B.A., Swarthmore College

STEPHEN P. SEUFFERT (1971) *Instructor of Physical Education (Part-time)*
B.S., West Chester State College

WILLIAM H. SEYBOLD, JR. (1967) *Associate Professor of Mathematics*
B.S., Temple University; M.A., Northwestern University

HAROLD E. SHAFFER (1952) *Associate Professor of History*
A.B., Susquehanna University; Litt.M., University of Pittsburgh

BERNICE SHAPIRO (1969) *Assistant Professor of Art*
B.F.A., Philadelphia College of Art; M.Ed., Temple University

FAYE F. SHAW (1967) *Instructor of Physics (Part-time)*
B.S., University of California

JOHN C. SHEA (1967) *Professor of Political Science*
B.A., Allegheny College; M.A., University of Pennsylvania; Ph.D., University of Pittsburgh

JANE E. SHEPPARD (1953) *Associate Professor of Voice and Choral Music*
B.Mus.Ed., Westminster College (Pa.); M.A., Columbia University; M.Mus., Indiana University

ROBERT R. SHINEHOUSE (1966) *Associate Professor of Psychology*
B.S., Ursinus College; M.A., Temple University

MARY L. SHOAF (1966) *Professor of Physics*
B.A., Cardinal Stritch College; M.S., University of California; Ph.D., Purdue University

IRENE G. SHUR (1956) *Associate Professor of History*
B.S., Ohio State University; M.Ed., University of Delaware

BERNARD F. SIEGEL (1967) *Assistant to the Vice President for Academic Affairs, Associate Professor*
B.S., Pennsylvania State University; M.A., University of Pennsylvania

CAROLYN G. SIMMENDINGER (1958) *Associate Professor of Art*
B.S., Kutztown State College; M.F.A., Temple University

ELEANOR B. SINCLAIR (1970) *Assistant Librarian, Instructor*
B.A., University of Delaware; M.L.S., Rutgers—The State University

IRA C. SINGLETON (1970) *Associate Dean for Graduate Studies and Research, School of Music; Professor of Music Education*
B.S., West Chester State College; Ed.M., Temple University; Ph.D., New York University

HAROLD L. SKELTON (1968) *Associate Professor of Physics*
B.S., Case Institute of Technology; M.S., University of Delaware

W. CLYDE SKILLEN (1947) *Assistant to the Dean of Graduate Studies, Associate Professor of Biology*
B.S., Temple University; M.S., University of Pennsylvania

JUDITH A. SMILEY (1968) *Assistant Professor of Physical Education*
B.S., Ursinus College; M.Ed., West Chester State College

CARL M. SMITH (1971) *Assistant Professor of Accounting*
B.B.A., M.B.A., Temple University

ELIZABETH L. SMITH (1967) *Associate Professor of English*
B.A., Blue Mountain College; M.S., University of Southern Mississippi

FRANK A. SMITH (1964) *Associate Professor of Physics*
B.S., Villanova University; M.A., Temple University

JAMES E. SMITH (1967) *Associate Professor of Violin*
B.Mus., M.Mus., Eastman School of Music

JANE G. SMITH (1955) *Associate Professor of English*
B.S., Millersville State College; M.E.D., Pennsylvania State University; M.L.S., Columbia University

LIDA NELSON SMITH (1966) *Assistant Professor of Health and Physical Education*
A.B., Bard College; M.A., Sarah Lawrence College

PHILIP D. SMITH, JR. (1967) *Director, Foreign Language Research Center; Professor of Spanish*
B.A., Pepperdine College; M.A., University of Nevada; Ph.D., Ohio State University

ROBERT L. SNYDER (1969) *Assistant Professor of Mathematics*
B.S., Georgia Institute of Technology; M.A., Johns Hopkins University

NORBERT C. SOLDON (1963) *Professor of History*
B.A., M.A., Pennsylvania State University; Ph.D., University of Delaware

H. LEE SOUTHALL (1967) *Assistant Professor of Brass*
B.S., West Chester State College; M.A., Trenton State College

JOSEPH M. SPIECKER (1968) *Associate Professor of Instructional Media Education*
B.S., West Chester State College; M.S., Temple University

CHARLES A. SPRENKLE (1955) *Dean, School of Music; Professor of Music*
B.S., Johns Hopkins University; B.Mus., M.Mus., D.Mus.A., Peabody Conservatory of Music

RUTH S. STANLEY (1959) *Assistant Professor of Mathematics*
B.S., M.A., University of Oklahoma

EDWARD STEIN (1969) *Associate Professor of Art*
B.S., Indiana University; M.F.A., University of Guanajuato (Mexico)

JAY P. STEINMETZ (1967) *Assistant Professor of Instructional Media Education*
B.S., Millersville State College; M.Ed., West Chester State College

JOHN ROBERT STEINMETZ (1965) *Associate Professor of Health and Physical Education*
B.S., M.Ed., Temple University

DIANTHA L. STEVENS (1971) *Assistant Professor of English*
B.A., M.A., Brown University

WILLIS A. STEVENS (1971) *Associate Professor of Piano (Part-time)*
B.A., M.A., Columbia University; M.S., The Juilliard School; D.M.A., Eastman School of Music

RICHARD L. STRAYER (1956) *Director, Educational Media Services; Professor of Instructional Media Education*
B.S., West Chester State College; M.Ed., University of Delaware; Ed.D., Temple University

PAUL A. STREVELER (1970) *Assistant Professor of Philosophy*
B.A., St. John's University (Minnesota); Ph.D., University of Wisconsin

C. WAYNE STRINGER (1971) *Professor of Music Education*
B.S., Ohio State University; M.A., Ed.D., Columbia University; Diploma, Danube Bend University (Ezstergom, Hungary)

FREDERICK R. STRUCKMEYER (1966) *Professor of Philosophy*
B.A., King's College (N.Y.); A.M., Ph.D., Boston University

CHARLES H. STUART (1968) *Professor of History*
B.A., Houghton College; M.A., Bradley University; Ph.D., Boston University

R. GODFREY STUDENMUND (1956) *Director of Admissions, Associate Professor of Education*
B.S., Shippensburg State College; Ed.M., Temple University

RUSSELL L. STURZEBECKER (1946) *Professor of Health and Physical Education*
B.S., West Chester State College; Ed.M., Ed.D., Temple University

JAMES D. SULLIVAN (1967) *Assistant Professor of Music Theory and Composition*
B.S., West Chester State College; M.A., Eastman School of Music

VINCENT V. SUPPAN (1964) *Associate Professor of Speech Pathology and Audiology*
B.S., West Chester State College; M.A., Columbia University

JANE B. SWAN (1965) *Professor of History*
B.A., Swarthmore College; M.A., Ph.D., University of Pennsylvania

EMILY T. SWARTLEY (1970) *Instructor of Instrumental Music (Part-time)*
B.Mus., Eastman School of Music; M.Mus., Temple University

ROY D. SWEET (1953) *Chairman, Department of Vocal and Choral Music; Associate Professor of Voice and Choral Music*
B.S., State University of New York College at Fredonia; M.Mus., Eastman School of Music

LYNN H. SWINGLE (1971) *Assistant Professor of Speech Pathology and Audiology*
B.S., M.S., Purdue University

JULIAN M. SWIREN (1964) *Associate Professor of Counselor Education*
B.S., M.S., University of Pennsylvania

PATRICK J. SYLVESTER (1968) *Associate Professor of Economics*
B.A., St. Francis Xavier University (Canada); M.A., University of New Brunswick (Canada); M.A., University of Pennsylvania

JOHN C. TACHOVSKY (1970) *Associate Professor of Geography*
B.S., M.Ed., West Chester State College

WILLIAM A. TALLEY (1959) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., West Chester State College; M.Ed., Harvard University

ELINOR Z. TAYLOR (1955) *Dean of Administration, Associate Professor*
B.S., West Chester State College; Ed.M., Temple University

S. KEITH TAYLOR (1968) *Professor of English*
B.A., Ursinus College; M.A., University of Pennsylvania; Ed.D., Temple University

R. SCOTT TEETS (1970) *Instructor of Health and Physical Education (Part-time)*
B.S., West Virginia University

GEORGE M. THOMAS (1966) *Professor of Secondary Education and Professional Studies*
B.S., West Chester State College; M.Ed., University of Delaware; Ed.D., Temple University

POWELL S. THOMAS (1946) *Associate Dean for Graduate Studies, School of Arts and Letters; Professor of English*
B.A., Gettysburg College; A.M., Ph.D., University of Pennsylvania

ANDREW R. THOMPSON (1965) *Associate Professor of Geography*
B.S., M.Ed., West Chester State College

JAMES C. THOMSON (1968) *Chairman, Department of Music History and Literature; Professor of Music History and Literature*
A.B., Middlebury College; Staatl. gepr. Hochschule fuer Musik (Berlin); M.A., Baylor University; M.A., Yale University; Ph.D., New York University

JOSEPH M. THORSON (1968) *Associate Dean, School of Social and Behavioral Sciences; Chairman, Department of Business and Economics; Professor of Management*
L.L.M., University of Lwow (U.S.S.R.); M.A., Seton Hall University; Ph.D., Indiana University

DAVID G. THURBON (1963) *Assistant Professor of English*
A.B., M.Litt., University of Pittsburgh

WILLIAM TOROP (1971) *Professor of Chemistry and Science Education*
A.B., M.S., Ed.D., University of Pennsylvania

JOHN N. TREZISE (1969) *Associate Professor of Physical Education*
B.S., West Chester State College; M.Ed., University of Pittsburgh

WILLARD J. TREZISE (1938) *Dean of Graduate Studies, Professor of Biology*
B.S., Lebanon Valley College; M.S., Ph.D., Johns Hopkins University

MILAN TRNKA (1962) *Assistant Professor of Health and Physical Education*
A.B., Syracuse University; M.S., University of Illinois

EUGENIA R. TRUESDELL (1969) *Technical Processing Librarian; Associate Professor*
A.B., Elmira College; B.S., Syracuse University

JOHN J. TURNER, JR. (1965) *Professor of History*
A.B., Muhlenberg College; M.A., University of Rhode Island; Ph.D., Columbia University

EDWARD T. TWARDOWSKI (1951) *Director of Placement and Career Services, Professor*
B.S., West Chester State College; M.S., University of Pennsylvania; Ed.D., Temple University

JOY VANDEVER (1964) *Associate Professor of Voice*
B.S., M.Ed., West Chester State College

RICHARD K. VELETA (1965) *Professor of Piano*
B.Mus., M.Mus., D.Mus., Northwestern University

C. RALPH VERNO (1966) *Associate Professor of Mathematics*
B.A., University of Pittsburgh; B.D., Westminster Theological Seminary; M.S., in Ed., University of Pennsylvania

JACQUES C. VOOIS (1969) *Associate Professor of Piano*
B.Mus., Oberlin College; M.Mus., Manhattan School of Music

EARL E. VOSS (1971) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.Ed., Temple University

G. ALAN WAGNER (1967) *Associate Professor of Voice*
B.Mus., Northwestern University; M.F.A., Carnegie-Mellon University

HELEN HALES WALLACH (1962) *Associate Professor of Piano*
B.Mus., M.Mus., Peabody Conservatory of Music

SHIRLEY ANN WALTERS (1963) *Supervisor of Student Teaching, Associate Professor of Education*
B.S., Millersville State College; M.A., University of Michigan

JOHN W. WARD (1961) *Associate Professor of English*
A.B., M.A., Miami University

RICHARD P. WEAGLEY (1954) *Chairman, Department of Instructional Media Education; Professor of Instructional Media Education*
B.S., Lebanon Valley College; M.Ed., Ed.D., Pennsylvania State University

CAROL WEBER (1966) *Assistant Professor of Health Education*
B.S., Temple University; M.A., University of Maryland

RICHARD J. WEBSTER (1967) *Associate Professor of History*
A.B., Lafayette College; M.A., University of Delaware; A.M., University of Pennsylvania

SUSAN W. WEBSTER (1967) *Assistant Professor of Biology*
A.B., Bucknell University; M.Ed., West Chester State College

RUTH I. WEIDNER (1967) *Music Librarian, Assistant Professor*
B.A., Hood College; M.S.L.S., Drexel University

LOUIS F. WEISLOGEL (1970) *Dean of Students, Associate Professor*
A.B., Gettysburg College; M.S., Rutgers—The State University; M.A., Villanova University

NAOMI L. WEISS (1967) *Associate Professor of Piano*
B.S., M.S., The Juilliard School

ROBERT H. WEISS (1967) *Professor of English*
A.B., University of Pennsylvania; A.M., Ph.D., Temple University

SOL WEISS (1964) *Associate Professor of Mathematics*
B.S., Brooklyn College; M.A., Columbia University

ARTHUR J. WELCH (1971) *Assistant Professor of Elementary Education*
B.A., Pennsylvania State University; Ed.M., Temple University

JAMES R. WELLS (1968) *Associate Professor of Instrumental Music/Music History and Literature*
B.S., West Chester State College; Ed.M., Temple University; Professional Diploma, Columbia University

THEODORA LEE WEST (1963) *Professor of English*
B.A., University of Akron; M.A., Ohio State University; Ph.D., University of Pittsburgh

JANE D. WESTON (1971) *Instructor, Laboratory School*
B.S., West Chester State College

LINWOOD J. WHITE (1968) *Associate Professor of Art*
B.F.A., Maryland Institute College of Art; M.F.A., University of Pennsylvania

W. BENJAMIN WHITTEN (1959) *Chairman, Department of Keyboard Music; Associate Professor of Piano*
B.Mus., M.Mus., Peabody Conservatory of Music

PAUL R. WIDICK (1967) *Associate Professor of Science Education*
B.A., M.Ed., Wayne State University; M.A., Eastern Michigan University

MICHAEL S. WIELAND (1971) *Assistant Professor of Physics*
A.B., Muhlenberg College; M.S., Ph.D., University of Delaware

MARK F. WIENER (1965) *Assistant Professor of Mathematics*
B.S., West Chester State College; A.M., University of Illinois

LINDA D. WILEY (1971) *Instructor of English (Part-time)*
B.S., Towson State College

HARRY WILKINSON (1948) *Professor of Music Theory and Composition/Organ*
B.S., Ed.M., Temple University; Ph.D., Eastman School of Music

LLOYD C. WILKINSON (1960) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.A., University of Miami

ARDIS M. WILLIAMS (1967) *Associate Professor of Chemistry*
A.B., Mount Holyoke College; A.M., Vassar College

EDWIN L. WILLIAMS (1968) *Assistant Professor of Philosophy*
B.A., West Chester State College

LOIS M. WILLIAMS (1955) *Associate Professor of Music History and Literature/Voice and Choral Music*
B.Mus., Western Michigan University; M.A., Columbia University; Fulbright Scholar (Germany 1953-1955)

THOMAS B. WILLIAMS (1961) *Director, Guidance and Counseling; Professor*
B.S., Salisbury State College; Ed.M., Ed.D., Temple University

JOHN M. WINTERMUTE (1966) *Associate Professor of Health and Physical Education*
B.S., Ithaca College; Ed.M., State University of New York at Buffalo

JACK E. WISE (1968) *Associate Professor of English*
B.S., M.Ed., Shippensburg State College

RICHARD J. WOODRUFF (1966) *Associate Professor of Biology*
B.S., Ursinus College; M.Ed., West Chester State College

RONALD B. WOODS (1967) *Associate Professor of Health and Physical Education*
B.S., East Stroudsburg State College; M.S., University of Massachusetts

JAMES J. WRIGHT (1945) *Chairman, Department of Music Theory and Composition; Professor of Music Theory and Composition*
B.S., West Chester State College; Ed.M., Temple University; Ph.D., Eastman School of Music

DOROTHY I. YANISCH (1947) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; Ed.M., Temple University

STANLEY J. YAROSEWICK (1969) *Chairman, Department of Physics; Associate Professor of Physics*
B.S., University of New Hampshire; M.S., Ph.D., Clarkson College of Technology

DANIEL YEH (1968) *Cataloging Librarian, Associate Professor*
B.A., National Taiwan University; M.S.L.S., Drexel University

RICHARD B. YODER (1962) *Associate Professor of Health and Physical Education*
B.S., West Chester State College; M.A., Villanova University

EDWIN L. YOUMANS (1960) *Dean, School of Health and Physical Education; Professor of Health and Physical Education*
B.A., University of Northern Iowa; M.A., Ph.D., University of Iowa

MARGARET N. YOUNG (1968) *Guidance Counselor, Professor*
B.A., University of Iowa; M.A., University of Minnesota; Ph.D., University of Iowa

ROBERT J. YOUNG (1965) *Professor of History*
B.S., Temple University; M.A., Ph.D., University of Pennsylvania

CARLOS R. ZIEGLER (1969) *Chairman, Department of Elementary Education; Professor of Elementary Education*
A.B., Elizabethtown College; M.Ed., Ed.D., Temple University

ELSIE B. ZIEGLER (1965) *Associate Professor of English*
B.S., Elizabethtown College; M.S.L.S., Villanova University; Ed.D., Temple University

Emeriti

EARL F. SYKES, *President Emeritus*
W. GLENN KILLINGER, *Dean of Men Emeritus*
LLOYD C. MITCHELL, *Dean of Music Emeritus*
KENNETH C. SLAGLE, *Dean of Arts and Sciences Emeritus*

FAYE A. COLLICOTT, *Librarian*
GEORGE CRESSMAN, *Education*
KATHERINE M. DENWORTH, *Education*
MARION FARNHAM, *Art*
ROBERT B. GORDON, *Sciences*
THELMA J. GREENWOOD, *Biology*
THOMAS J. HEIM, *Social Sciences*
MURIEL LEACH, *Health and Physical Education*
DOROTHY RAMSEY, *English*
B. PAUL ROSS, *Education*
GERTRUDE SCHMIDT, *Music*
EARLE C. WATERS, *Health and Physical Education*
JOSEPHINE E. WILSON, *English*
EDWARD ZIMMER, *Music*

WEST CHESTER STATE COLLEGE ALUMNI ASSOCIATION OFFICERS

1972-1973

DONALD J. DIFFENBAUGH, *President* Collegeville
JAMES F. GARRITY, *Vice President* West Chester
JANICE W. ETSHIED, *Secretary* Camp Hill
WILLIAM R. BENNER, *Treasurer* West Chester
GEORGE P. LOTT, JR., *Executive Director* West Chester

Cover design by Victor Lasuchin, Department of Art

PICTURE CREDITS
James Flanigan, graduate student in Instructional Media Education, (for the major share of photographs)
Lawrence A. Dowdy, '73
Jeff Denman, '73
M.S. Mock, College Photographer

Index

Absence policy, 40
Academic information, 37
Accounting, 126
Accreditation of the College, II
Administration directory, 147
Admission, 11
  of college graduates seeking certification, 13
  early, 14
  readmission, 13
  transfer students, 13
Advanced placement program, 41
All-Star Series, 53
Alumni Association, 10, 171
American Studies program, 145
Anthropology, 141
Armed Services (Reserve Officer Candidate) program, 41
Art collections (College), 8
Art, Department of, 49
Arts and Letters, School of, 47
  Core Requirements for, 48
Astronomy, see Earth/Space
Athletic programs, 32, 86
Auditing privileges, 40
  fee for, 17
Automobile regulations, 27

Baha'i Club, 33
Biology, Department of, 108
Black Culture, Task Force on, 5
Black Student Union, 33
Board of State College and University Directors, IV
Bookstore, 18, 27, 29
Business Administration, 126
Business and Economics, Department of, 126

Calendar, *inside front cover*
Certification, see Teaching Certification
Chamber Music Series, 30
Chemistry, Department of, 111
Christian Science Organization, 33
Cinema Committee, 30
Citizenship requirement for teachers, 41
Class load, 39
Classification of students
  academic, 37
  administrative, 25
  by program, 37
Coaches, listed, 85
College Union Activities Board Lectures, 30
Communications directory, *inside back cover*
Commuter Governments, 29
Commuting students, 25
Comprehensive Science, 114
Comprehensive Social Studies, 134
Computer Science, 116, 119
Core Requirements—Arts/Letters, 48
Correspondence courses, 41
Council of Higher Education, IV
Cultural Affairs, 6, 30
Cumulative index, 37, 38
Curricula offered (chart), 43

Data processing services, 6
Day students, 25
Degree requirements, 44
Degrees offered, 1, 43
Dental Hygienist program, 122
Department of Education, Commonwealth of Pennsylvania, IV
Dining accommodations, 26
Dismissal from the College
  academic, 38
  for violating regulations, 29
Driver Education program, 90
Dues, class/government, 18

Earth, Space, and General Sciences, Department of, 114
Economics, 126
Ecumenical Campus Ministry, 33
Education, School of, 73
  course descriptions, 80
Educational Development Center, 6
Educational Media Services, 5
Elementary Education, Department of, 74
Emeriti faculty, 171
Employment, student, 24
English Colloquium, 30
English, Department of, 52
Environmental (Outdoor) Education, certification in, 78
  in Elementary program, 75
Ethnic studies concentration, 134
European study, 8, 58
Exemption from Finals, 40
Expenses, 15
  summarized, 19

Faculty directory, 151
Fees, 15
Financial aid, to students, 21
Foreign Languages, Department of, 56
  Junior Year Abroad, 8, 58
Forensics, 32
Francis Harvey Green Library, 5
  library cards, 18
Fraternities, honor, service, social, 34, 35
Freshman Orientation program, 26
Friars Society, The, 35

General Requirements for all curricula, 45
Geography, Department of, 130
Geology, see Earth/Space, 114
Girl Scouts, Campus, 35
Grade reports, 39
Grading system, 37
Graduate Studies, 9
Graduation, student responsibilities for, 41, 42
Guests, overnight, 25
Guidance/Counseling Center, 26, 28

Health and Physical Education, School of, 85
  athletic programs for all students, 86
  course descriptions, 90
Health Service, College, 26
Herbarium, Darlington, 8
Higher Education Opportunity Program, 6
Hillel Club, 33
Historical properties, 8
History, Department of, 133
History of the College, 1
Honor societies, 34
Honors, academic, 38
Housing, 25
  fee for, 15, 16
  married/transfer students, 25
  reinstated students, 38
Humanities courses, 146

Identification (ID) cards, 18
IGA, 29
  activities fee, 18
Independent study, 40, 45
Infirmary, 26
Instructional Materials Service, 6
Insurance, 18, 26
Interdisciplinary studies, 145
Inter-Varsity Christian Fellowship, 33
Intracollegiate Governmental Association, see IGA

Junior Year Abroad, 8, 58

Latin-American Studies, 146
Library, 5
  library cards, 18
Linguistics courses, see English and Foreign Languages

Little Theatre, 30, 32
Loans, to students, 24
Location of the College, 2
Lutheran Student Association, 33

Management concentration, 126
Map, campus, 174
Marine Science, 114
Mathematics, Department of, 116
Medical services, 45
Minimum standards, 38
Music, School of, 95
  concerts, recitals, 30
  course descriptions, 100
  musical organizations, 30

N.A.A.C.P., campus chapter, 22, 33
Newman Student Association, 33
Newspaper (Quad Angles), 32
Nursing, Department of, 120

Oceanography studies, 9, 114
Outdoor Education, see Environmental Education
Out-of-state students, 11
  fees for, 15

Parents' Confidential Statement, 21
Pass-Fail policy, 37
Philips Lecture Foundation, 53
Philosophy, Department of, 64
Physical examinations, 26
Physics, Department of, 122
Placement and Career Services, 28
Political Science, Department of, 137
Post Office, campus, 27
Probation, 38
Professional Education requirements—secondary education, 77
Programs of Study, 43
Psychology, Department of, 139

Quad Angles, 32

Radio station, College, 33
Ram's Eye View, 32
Readmission, 13, 38, 39
Recreation leadership program, 90
Refunds, 17
Religious organizations, 33
Repeating courses, 39
Research/Related Services, 6
Resident credit requirement, 41
Resident Governments, 29
Resident students, 25
Russian Studies, 146

Safe Living program, 90
Scholarships, 21
Science courses with "Science" prefix, 124
Sciences and Mathematics, School of, 107
Secondary Education/Professional Studies, Department of, 77
  Professional Education requirements/secondary, 77
Selective Service, 28
Serpentine, The, 32
Service organizations, 35
Social and Behavioral Sciences, School of, 125
Social Studies, Geography, 130
Social Studies, History, 134
Social Studies, Political Science, 138
Social Welfare, 141
Sociology and Anthropology, Department of, 141
Sororities, honor/social, 34, 35
Special Education, 79
Speech/Hearing Clinic, 8, 27, 70
Speech Pathology and Audiology, Department of, 70
Speech/Theatre, Department of, 66
Storm closing announcements, 27
Student Government, 29
Student Handbook, The, 32
Student life, 29
Student services, 25
Student teaching, 41
  readmitted students, 13
  in Special Education, 79
  in Urban Education, 80
Summer Sessions, 10, *calendar*
  fees for, 19

Task Force on Black Culture, 5
Teaching Certification, 42, 44
  for college graduates, 13
Theatre Dance Group, 30
Theatre, Little (208), 30, 32
Transcripts, 42
  fees for, 17
Transfer students, 13, 40
Trustees, Board of, IV

Urban Education, 80
  in Elementary program, 76

Vehicle regulations, 27
Veterans' affairs, 28, 39

WCUR (campus radio station), 33
Withdrawal from the College, 40
  from a course, 39
  repayment policy, 17
Women's Athletic Association, 87
Work-Study Program, 24

1/2 mile to South Campus
1. Ramsey Hall
2. Tyson Hall
3. Goshen Hall
4. McCarthy Hall
5. Lawrence Center
6. Maintenance Garage
7. Laundry
8. Boiler Plant
9. Maintenance Building
10. Mitchell Hall
11. Reynolds Hall
12. Swope Hall
13. Sanderson Hall
14. Schmidt Hall
15. Wayne Hall
16. Hollinger Fieldhouse
16a. Special Education Building
17. Schmucker Science Center
18. Killinger Hall
19. Administration Building
20. Philips Memorial
21. Anderson Hall
22. Recitation Hall
23. Old Library
24. Green Library
25. Learning Research Center
26. Health and Physical Education Center
27. Farrell Stadium
WEST CHESTER
STATE COLLEGE
MAP

Request for Application Forms

[Secondary school students are asked to send this request as soon as possible following completion of their junior year.]

1. Name Miss ☐ Mrs. ☐ Mr. ☐ _____
(Last) (First) (Second)

2. Number and Street _____ County _____

3. City _____ State _____ Zip Code _____

4. When do you wish to enter West Chester? _____, 19____
(State the month: September, January, or June)

5. In what curriculum do you wish to enroll?

ELEMENTARY EDUCATION ☐

SECONDARY EDUCATION ☐

List Major _____

HEALTH AND PHYSICAL EDUCATION ☐

HEALTH EDUCATION ☐

SPEECH PATHOLOGY AND AUDIOLOGY ☐

ARTS AND SCIENCES ☐

List Major _____

BUSINESS ADMINISTRATION ☐

MUSIC ☐

Check the music degree you wish to pursue:

B.S. in Music Education ☐

Bachelor of Arts ☐

Bachelor of Music ☐

NURSING ☐

6. Have you attended any other college? Yes ☐ No ☐

If so, give name of the college _____

How many semesters did you spend there? _____

7. Do you intend to apply as a Resident Student? ☐ Day Student? ☐

8. When will you (or when did you) graduate from secondary school?

Month _____ Year _____

Send to:

Director of Admissions
West Chester State College
West Chester, Pennsylvania 19380

Note: When this information is received, instructions for completing your application will be sent to you. Do not send application fee with this form.

5/72

Communications Directory

To telephone, dial 436 plus number in parentheses. Area Code: 215

Office/Building/Telephone

Admission/Catalogues	Director of Admissions, Administration (2933)
Alumni Office	Director of Alumni Affairs, Old Library (2815)
Athletic Events	Director of Athletics, Hollinger (2743)
Audio-Visual Aids	Educational Media Services, Anderson (2233)
Books/Student Supplies	College Bookstore, Recitation (2242)
Business/Fiscal Matters	Director of Business Affairs, Philips (2211)
Certification/Curricula/Graduation/Selective Service	Dean of Undergraduate Studies, Administration (2601)
College Events	Director of College Events, Lawrence (2840)
Computer Services	Research and Related Services, Learning/Research (2828)
Counseling	Guidance & Counseling Center, Ramsey (2611)
Cultural Affairs	Director of Cultural Affairs, Administration (2336)
Curriculum Enrichment	Director of Curriculum Enrichment, Administration (2600)
Film Service	Instructional Materials, Anderson (436-0242)
Financial Aid/Work-Study	Director of Financial Aid to Students, Lawrence (2627)
Food Services	Dean of Administration, Philips (2787)
Graduate Studies/Catalogues	Dean of Graduate Studies, Administration (2243)
Higher Education Opportunity Program	Higher Education Opportunity Office, Administration (2600)
IGA Business Office	Intracollegiate Governmental Association, Lawrence (2955)
Infirmary	Health Service, Reynolds (2509)
Library Services	Director, Library Services, Francis Harvey Green Library (2747)
Music Events (School of Music)	School of Music, Swope (2628)
Placement/Careers	Director of Placement/Careers, Reynolds (2501)
Public Relations/Publications	Director of Public Relations, Administration (2882)
Research/Grants	Research and Related Services, Learning/Research (2835)
Reservations for Facilities	Director of College Events, Lawrence (2840)
Room Assignments (All Students)	Dean of Women, Ramsey (2537)
Speech/Hearing Clinic	Dept. of Speech Pathology/Audiology, Wayne (3401)
Student Affairs	Dean of Students, Lawrence (2731)
Student Teaching	Director of Student Teaching, 628 S. High (2316)
Theatre 208	Speech/Theatre Offices, Recitation (2533)
Transcripts/Veterans	Director of Scheduling/Academic Records, Administration (2337)

Administrative Offices of Schools

Arts and Letters, Anderson (2338)
Education, Anderson (2428)
Health/Phys Ed, H/PEd Center (2825)
Music, Swope (2628)
Sciences/Math, Schmucker (2540)
Social and Behavioral Sciences, Anderson (2930)

Curricula

American Studies, Anderson (2930)
Art, Mitchell (2755)
Biology, Schmucker (2538)
Business/Economics, Anderson (2236)
Chemistry, Schmucker (2631)
Earth/Space, Schmucker (2788)
Education, Anderson (2428)
Reading, 809 Roslyn (2861)
English, Anderson (2335)
Foreign Languages, Recitation (2700)
Geography, Anderson (2343)
Health/Phys Ed, HPEd Ctr (2825)
History, Schmidt (2201)
Mathematics, Anderson (2440)
Music, Swope (2628)
Nursing/Dental Hygienists, Schmucker (2219)
Philosophy, 104 Rosedale (2841)
Physics, Schmucker (2573)
Political Science, Anderson (2746)
Psychology, Anderson (2945)
Sociology/Anthro, Old Library (2657)
Special Education, Special Ed (2362)
Speech/Theatre, 106 Rosedale (2500)
Speech Pathology/Audiology, Wayne (3401)

MAILING ADDRESS: West Chester State College, West Chester, Pa. 19380

West Chester State College
West Chester, Pennsylvania 19380

Undergraduate Studies

SUMMER 1973

West Chester State College Catalogue

Administration

PRESIDENT	PAUL W. ROSSEY
VICE PRESIDENT FOR ACADEMIC AFFAIRS	ALBERT E. FILANO
Director of Summer Sessions	WALTER E. BUECHELE
Associate Vice President for Academic Affairs	DENNIS D. BELL
Dean of Undergraduate Studies	EMIL H. MESSIKOMER
Associate Dean of Undergraduate Studies	JOHN C. LEWIS
Dean of Graduate Studies	WILLARD J. TREZISE
Dean, School of Arts and Letters	JOHN W. CLOKEY
Dean, School of Education	HAROLD W. BENDA
Dean, School of Health and Physical Education	EDWIN L. YOUMANS
Dean, School of Music	CHARLES A. SPRENKLE
Dean, School of Sciences and Mathematics	RUSSELL K. RICKERT
Dean, School of Social and Behavioral Sciences	BYRON Y. FLECK
Director of Admissions	R. GODFREY STUDENMUND
Director of Scheduling and Academic Records	WILLIAM U. HODGSON
Dean of Students	LOUIS F. WEISLOGEL
Dean of Men	KENNETH F. BURDA
Dean of Women	BERNICE BERNATZ
Summer Sessions Recreation Coordinator	EDWARD C. BITNER
Dean of Administration	ELINOR Z. TAYLOR
Director of Financial Aid to Students	THEODORE H. BUTCHER
Director of Placement and Career Services	EDWARD T. TWARDOWSKI
Director of Business Affairs	EVERETT E. SHAEFER
Director of Facilities	ROBERT C. HANNUM

Contents

2 The Administration

4 Chart of Curricula Offered

5 West Chester State College: An Overview

8 Undergraduate Summer Sessions

9 Registration Requirements and the Pre-Registration Procedure

10 Fees and Expenses

12 General Information

13 Academic Information

16 Pre-Registration and Registration Instructions for 1973 Summer Sessions

18 Pre Session Offerings

24 Regular Session Offerings

37 Post Session Offerings

40 Summer Workshops and other Special Offerings Described

Inside Front Cover Calendar for Undergraduate Summer Sessions

Inside Back Cover Map of North Campus

The provisions of this Catalogue are not to be considered an irrevocable contract between the student and the College. West Chester State College reserves the right to change any provisions or requirements at any time within the student's term of attendance.

Undergraduate Degree Programs Offered at West Chester

Teacher Education

ELEMENTARY EDUCATION

SECONDARY EDUCATION

Comprehensive English

Foreign Languages
- French
- Russian
- German
- Spanish
- Latin

Sciences and Mathematics
- Biology
- Chemistry
- Comprehensive Science
- Earth and Space Science
- Mathematics
- Physics

Social Sciences
- Comprehensive Social Studies
- Geography
- History
- Social Studies — Geography
- Social Studies — Political Science

Speech and Theatre

HEALTH AND PHYSICAL EDUCATION

Health Education

Health and Physical Education

MUSIC EDUCATION

SPECIAL EDUCATION

Speech Pathology and Audiology

COOPERATIVE DEGREE PROGRAM

Dental Hygienists

CERTIFICATION PROGRAMS

Driver Education and Safe Living

Environmental (Outdoor) Education

Special Education
- Teaching the Mentally Retarded
- Teaching the Physically Handicapped

Arts and Sciences

ARTS AND LETTERS

Art

Foreign Languages
- French
- Russian
- German
- Spanish
- Latin

Literature

Philosophy

Speech Arts

Theatre Arts

SCIENCES AND MATHEMATICS

Biology

Chemistry

Mathematics

Physics

NURSING

MUSIC

B.A. Degree

B.Mus. Degree

SOCIAL AND BEHAVIORAL SCIENCES

Economics

Geography

History

Political Science

Psychology

Sociology-Anthropology

Social Welfare

BUSINESS ADMINISTRATION

INTERDISCIPLINARY PROGRAM

American Studies

West Chester State College: An Overview

West Chester State College is one of the fourteen institutions of higher learning owned and maintained by the Commonwealth of Pennsylvania. West Chester is a comprehensive college whose primary purposes are to prepare teachers for Pennsylvania's public schools and to provide a liberal arts education for the youth and other citizens of Pennsylvania. Certain programs prepare for specialized professions. The enrollment includes nearly 6,000 full-time undergraduates, about 900 part-time undergraduates, and some 1,600 graduate students (mainly part-time).

West Chester traces back to the West Chester Academy, founded in 1812. The Academy became West Chester State Normal School in 1871, West Chester State Teachers College in 1927, and West Chester State College in 1962. A program of graduate studies, begun in 1959, offers the Master of Education, Master of Arts, and Master of Science degrees in a number of disciplines, and the Master of Music.

The College has a land area of 364 acres. North Campus, an expansion of the original campus, occupies 101 acres at the southern boundaries of the Borough of West Chester. South Campus, which came into full use in 1970, is a 263-acre expanse of gently rolling countryside, containing the facilities of the School of Health and Physical Education.

The increased educational resources of the College include the Francis Harvey Green Library, with more than 280,000 volumes; the Elsie Oleita Bull Learning Research Center, housing a modern laboratory school and a computer center; Schmucker Science Center; and Lloyd C. Mitchell Hall, a fine-arts classroom building. Six handsome high-rise residence halls span the western side of North

Campus near Lawrence Center, which provides modern dining halls, a student lounge and snack bar, and other student facilities.

Location of the College

The Borough of West Chester, which has been the county seat of Chester County since 1786, is a pleasant and substantial community with a population of about 19,000. The community was settled largely by members of the Society of Friends in the early years of the 18th century; charming traces of their culture remain today. Now part of the rapidly growing suburban complex surrounding Philadelphia, West Chester provides opportunities for the study of local, county, and regional government in a period of dynamic change and growth.

Philadelphia is 25 miles to the east and Wilmington 15 miles to the south, putting the libraries, museums, and other cultural and historical resources of both cities in easy reach. Valley Forge, the Brandywine Battlefield, Longwood Gardens, and other historical attractions are near the College.

Degrees Offered

The Bachelor of Science in Education degree is given in four basic curricula—elementary, secondary, music education, and health and physical education—and in one area (speech pathology and audiology) of special education. The College has a program of courses designed to meet certification requirements in the field of safety education, in the special education fields which train for the teaching of mentally retarded and physically handicapped children, and in environmental (outdoor) education.

The liberal arts program leads to the Bachelor of Arts degree in arts and letters, social and behavioral sciences, sciences, mathematics, and music; to the Bachelor of Music; and to the Bachelor of Science in chemistry. A Bachelor of Science degree is also given in business administration, and in the 1972 fall semester a program leading to the Bachelor of Science in nursing was introduced. A cooperative degree program for dental hygienists is also available.

Program for In-Service Teachers

West Chester also maintains an extensive two-track program for teachers in service. One phase is composed of late-afternoon and evening courses for those desiring to satisfy various professional needs, including certification requirements. The second phase is the graduate program.

Admission to West Chester (Academic Year)

Admission to the fall or spring semester involves a number of steps, the first of which is the filing of application forms which may be secured from the Office of Admissions.

Candidates for admission must meet the following requirements:

1) Acceptable scholarship as evidenced by graduation from an approved secondary school or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Education. All candidates for admission must take the College Entrance Examination Board's Scholastic Aptitude Test and English Composition Achievement Test, or the tests given by the American College Testing Program.

2) Recommendation by the high school principal, guidance counselor, or other school official acquainted with the student, in addition to a personal interview with a member of the College staff.

3) For admission to special curricula, the College may require the candidate to take an aptitude test in the special field in order to obtain further evidence of ability to succeed.

Housing

The majority of West Chester's undergraduate students live on campus. Upon admission, students who intend to reside at the College will need to make arrangements with the Dean of Women for their housing at the earliest opportunity.

Obtaining Catalogues

The undergraduate biennial and summer session catalogues may be obtained from the Director of Admissions. Catalogues for Graduate Studies during the academic year and the Graduate Summer Sessions may be obtained from the Office of Graduate Studies.

West Chester Undergraduate Summer Sessions

In 1877 West Chester held one of the nation's first summer sessions for teachers. Since then, the College has been known to generations of students in the area as an ideal place for summer study.

The 1973 Summer Sessions will be divided into a Pre Session of three weeks, a Regular Session of six weeks, and a Post Session of three weeks.

For undergraduate students, the schedule includes courses in both liberal arts and teacher education. For teachers in service, the summer program offers an opportunity to satisfy various professional needs, including certification requirements. A number of special offerings and workshops for in-service teachers are made available each summer.

In 1972, 1,334 attended the Pre Session, 1,940 the Regular Session, and 1,069 the Post Session.

Social and Recreational Program

Summer study at West Chester is pursued under pleasant circumstances. The tree-shaded campus with its conveniently located buildings provides a beautiful environment. Various recreational activities include softball, tennis, and swimming. Social hours, when students meet informally with faculty members, are a feature of the Pre and Post Sessions. Philadelphia, with its historic and scenic interest and its full summer program of art, music, and theater, is a distinct attraction. New York and Atlantic City are within easy access, and the famed fountains and beautiful outdoor theater at Longwood Gardens are only a few miles from the campus.

Registration Requirements

The Pre-Registration Procedure

Registration in any summer session does not establish priority or privilege for admission as a student for the regular academic year.

Graduation from an approved secondary school or its equivalent is a basic requirement for attendance at West Chester summer sessions.

Present and former West Chester students need no permission to register at West Chester summer sessions. They simply follow the pre-registration procedure described below.

All other applicants must obtain permission to register from the Director of Admissions at least one week before the close of each pre-registration period. (See calendar at front for dates.)

Students enrolled in other colleges follow the pre-registration procedure but must file with their pre-registration forms an approval-of-attendance statement from the Dean of Instruction of their own college. Pre-registration forms will not be accepted from students enrolled elsewhere without this statement.

Pre-Registration Procedure

Application for admission to any or all of the summer sessions is made by completing and submitting to the Director of Admissions the pre-registration information forms contained in this catalogue, or available from the Office of Admissions. (Students currently enrolled at West Chester may submit the forms directly to the office of the Dean of Undergraduate Studies.) Once these forms are submitted, no further application procedure is required until the date of registration when all students report to Lawrence Center.

The pre-registration period begins March 15. See calendar for pre-registration closing dates for each session.

Summer Sessions
Fees and Expenses

Fees are subject to change without notice. All charges for a session must be paid on the day of registration.

Basic Fee (Pennsylvania Residents)

(Check or money order payable to Commanwealth of Pennsylvania)

$29 per semester hour of credit.
Minimum Fee for Regular Session: $87
Minimum Fee for Pre or Post Session: $43.50

Basic Fee (Out-of-State Students)

$46 per semester hour of credit.
Minimum Fee for Regular Session: $138
Minimum Fee for Pre or Post Session: $69

Housing Fee (Room and Meals)

Regular Session: $126
Pre or Post Session: $63

No reduction is made for absences of a few days. At the discretion of the College, a student may occupy a double room by paying an additional $12 for the Regular Session or $6 for the Pre or Post Session.

Charges for separate meals are: breakfast 65 cents, lunch 85 cents, dinner $1.25.

Special Fee (Health and Physical Education)

In addition to the basic fee, health and physical education majors pay a special fee of $3 for the specialized health and physical education courses.

Special Fee (Music)

In addition to the basic fee, Regular Session students in any of the three music curricula pay special fees based on the college-semester music fee of $45.

Rental and Practice Fees for Music Majors

Pipe Organ for Practice
Regular Session: $12
Pre or Post Session: $6

Rental of Orchestral Instruments
Regular Session: $2
Pre or Post Session: $1
(No charge for piano for practice.)

Private Music Instruction Fee for All Other Curricula

Non-music majors who elect private instruction (two half-hour lessons per week) in piano, organ, voice, or an instrument pay an applied-music fee of $45 for Regular Session. Practice and rental charges: same as for music majors.

Late Registration Fee

A fee of $10 is required of students who register after the pre-registration period or after registration day for any of the three sessions. The Tuesday after each registration day in Pre and Post Session is the last day to register for each session and will be counted as Late Registration. The Tuesday and Wednesday after the Regular Session registration day are the last two days to register for Regular Session and will be counted as Late Registration.

Student Activities Fee

(Check or money order payable to Intracollegiate Governmental Association)
Regular Session: $3.50
Pre or Post Session: $1.75

Refunds

For the summer sessions, refunds will not be made to students who voluntarily withdraw or are indefinitely suspended or dismissed from the College; these regulations apply after the first day of class attendance.

In cases of personal illness, certified by an attending physician, or for other emergency reasons which may be approved by the Trustees, the College will refund the portion of the basic fees for the part of the session which the student does not spend in the College.

General Information

Housing

Housing in the men's and women's residence halls is available to students for any or all of the sessions. After filing his application for admission, a student who wishes to reside on campus must apply in writing for room reservations to the Dean of Women (for both women and men) at least one week prior to the opening of a session. Rooms may be occupied after 2:00 p.m. on the Sunday preceding the session.

The College has no housing accommodations for married couples or families.

Placement and Career Services

The College maintains an active Placement and Career Service for its students. Excellent opportunities for employment in teaching and other careers are offered to graduates and graduating seniors at no charge, and counseling in career planning is available to all students.

Opportunities for Employment and Loans

Students who desire part-time or hourly work in the community or on campus should communicate with the Director of Financial Aid to Students. Information about student loans is also furnished in his office.

Cultural and Social Events

Interesting and varied cultural and recreational events are always available during the summer sessions. In past years, trips to the Robin Hood Dell Concerts in Philadelphia, excursions to Longwood Gardens, and to baseball games in Philadelphia have been among these. On campus, a cinema series, swimming, and tennis are always popular summer activities. Dances, a picnic, and a series of faculty-student coffee hours are usually on the summer calendar. The Summer Session Recreation Coordinator may be consulted.

Academic Information

Credits

Credits for the summer sessions may be earned at the rate of one semester hour per week of work. Thus, a student attending all three sessions may earn twelve credits.

Students are not permitted to carry more than six semester hours of work in the Regular Session unless permission is secured in advance from the Dean of Undergraduate Studies.

Reinstatement to Fall Semester

If a West Chester student does not attain the required cumulative index by the end of the spring semester, he may attend summer sessions at West Chester in order to improve his academic average. Unless he attains the required cumulative index by the end of the summer sessions, he will incur academic dismissal. If he achieves the required cumulative index, he will be notified by letter from the Office of Undergraduate Studies. He will not need to apply for readmission through the Office of Admissions.

Academic Dismissal

The recommendations of the department chairman concerned and the Dean of Women or Dean of Men are considered when the question of a student's dismissal for academic reasons is under study.

Any student dismissed twice for academic reasons automatically terminates his degree candidacy at West Chester. Any courses taken as a non-degree student, following a second academic dismissal, shall not be included in his cumulative grade average, nor imply the right to readmission to the College.

Withdrawal

1) All withdrawals from the class must be initiated by the student, who must report his intention to withdraw to his instructor.

2) A student who finds it necessary to withdraw from a class must

file letters with the Office of Undergraduate Studies and the Office of Business Affairs, giving the date of last class attendance and the reason for withdrawal.

3) If a student withdraws from a class or classes without following the official procedures, his registration is continued until the end of the particular session, and he will receive an F grade in the course or courses pursued.

See also Fees and Expenses for refund policy regarding withdrawals.

Course Changes After Registration Day

The periods for course changes are as follows:

For Pre and Post Sessions: the Tuesday following the registration day.

For Regular Session: the Tuesday and Wednesday following registration day.

A fee of $5 is charged for course changes made on these days. No course changes are permitted after the specified days.

Students desiring to change a course **prior** to the registration day may do so with no fee incurred, provided the change is made before the pre-registration deadline of the particular session.

Teacher Certification

Instructional I Certificate. A student who satisfactorily completes one of the teacher education curricula offered by the College receives his degree from the College and qualifies for an Instructional I Certificate, issued to him by the Pennsylvania Department of Education. This certificate is valid for three years from the date of issue.

Instructional II Certificate. This certificate requires three years of successful teaching in the public schools of Pennsylvania under the Instructional I Certificate and the satisfactory completion of 24 semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. The Instructional II Certificate is a permanent license to teach in Pennsylvania.

Either of these certificates may be extended to include another field by completing the requirements of the College for that field. See Undergraduate Studies catalogue for further information.

College Regulations

The regulations which pertain to student procedure and conduct during the academic year at West Chester are also in effect for summer sessions.

Enrollment

Each course offered for the summer sessions is contingent upon adequate enrollment and the judgment of the Dean of the School offering the course.

Summer Graduation

Students who expect to graduate at the end of a Pre, Regular, or Post Session are urged to attend the Spring Commencement exercises preceding summer sessions. It is the student's responsibility to notify the Office of Undergraduate Studies in person of his anticipated graduation and to see that his name, written as he desires, is placed upon the list of prospective graduates which the Office prepares.

Class Meetings and Periods

Class days and hours are shown under Pre, Regular, and Post Session offerings.

The class–absence policy for the academic year applies to the summer sessions.

The time and days of classes are subject to change by administrative decision.

1973 Pre-Registration and Registration

PRE-REGISTRATION INSTRUCTIONS

All prospective summer session students must fill out the printed Pre-Registration forms enclosed in this catalogue. This material must be filled out in its entirety. Please supply all information requested, as well as the courses desired. Return the forms to the Office of Admissions.

Pre-registration for the Pre Session will terminate Thursday, May 24. Pre-registration for the Regular and Post Sessions will terminate **two Fridays** prior to their General Registration and Payment dates, as follows:

	Pre-Registration Deadlines			General-Registration-and-Payment Dates
Pre:	Thursday, May 24	→	Pre:	June 4
Regular:	Friday, June 15	→	Regular:	June 25
Post:	Friday, July 27	→	Post:	August 6

Students who fail to furnish Pre-Registration forms to the College by the Pre-Registration deadlines will be subject to a Late Pre-Registration fee of $10.

A change-of-course fee of $5 will be charged on registration day for any change of course made after the Pre-Registration deadline.

> NOTE WELL
>
> All summer session fees must be paid at Registration.
>
> Payments by mail are NOT acceptable for Undergraduate Summer Session fees. For undergraduates, the payment-by-mail system applies only to the academic year, not to summer sessions.

REGISTRATION INSTRUCTIONS

Place of registration: Lawrence Center

Proceed from station to station in order shown

Station I. Foyer

1. Secure calendar for session.
2. Secure classroom assignment sheet.

Station II. Northeast Dining Room

1. When you enter, secure registration materials.
2. Undergraduate Table—Change of Course or Late Registration
   a) If you wish to change or drop a course, report here.
   b) If you have not pre-registered, report here.
3. Scheduling and Academic Records Table
   a) If you are a senior planning to graduate in August, 1973, sign here for diplomas. (Please designate graduation date as Pre, Regular, or Post Session.)
   b) If you are a senior in Teacher Education planning to graduate in August, 1973, secure application for your Instructional I Certificate.
   c) If you receive Veterans' benefits, secure form here.
   d) If you wish to have credits transferred to another college, secure special form here.
4. Fill out your registration materials at designated writing tables.
5. Dean of Men's and Dean of Women's Table
   a) Mark your status (resident, commuting, or independent housing).
   b) If you are a residence hall student, obtain your room assignment and write it on your registration form. (Note that all residence hall students must take their meals in the College dining hall.)
6. Checking Table
   a) Registration cards will be checked here for accuracy and collected.
   b) Proceed to Station III.

Station III. Northwest Dining Room

1. Pay basic fee and room-and-board fee.
2. Automobile Regulations Station

   Obtain automobile decals here. (This applies to both commuting and resident students.)
3. Student Activities Fee Table

   Pay your student activities fee. Please have your check made out, ready to submit. Make it payable to "Intracollegiate Governmental Association." Fees are $1.75 for Pre or Post Session and $3.50 for Regular Session.

Pre Session

Monday, June 4
through
Friday, June 22

Each class meets 8-9:30 a.m. and 10:30-12 Noon, unless otherwise shown.

See Undergraduate Studies catalogue for course descriptions. Course listings are correlated with the 1972-74 catalogue. NEW indicates a course not described in the catalogue.

Offerings listed are contingent upon sufficient enrollment.

SCHOOL OF ARTS AND LETTERS

Course Number		Course Title	Credits
		Art	
Art	101	Fine Arts (Art)	3
		English	
Eng	101	English Composition I	3
Eng	102	English Composition II	3
Eng	201	Introduction to Linguistics (also Lin 201)	3
Eng	230	Communication	3
Hum	370	Seminar in Science and Human Values	3
Lit	221	General Literature I	3
Lit	222	General Literature II	3
Lit	226	Fiction	3
Lit	323	American Literature I	3
Lit	325	English Literature I	3
Lit	333	Shakespeare I	3
Lit	338	Modern Irish Literature	3
Lit	350	Children's Literature	3
		Foreign Languages	
Lin	201	Introduction to Linguistics (also Eng 201)	3
Lin	360	Philosophy of Language (also Phi 360)	3
		Philosophy	
Phi	280	Introduction to Philosophy	3
Phi	360	Philosophy of Language (also Lin 360)	3

Speech and Theatre

Sph	100	Bases of Speech (also SpP 100)	3
Sph	101	Fundamentals of Speaking (9:00 to 11:00 a.m.)	2
Sph	107	Effective Speech for the Teacher	3
Sph	315	Discussion	3

Speech Pathology and Audiology

SpP	100	Bases of Speech (also Sph 100)	3
SpP	201	Introduction to Speech Problems	3

SCHOOL OF EDUCATION

EdA	344	Problems in Special Education (EVENING: 6:00-8:30 p.m. Mon. thru Fri.) (Permission of Dr. Howard Freeman required)	2
EdE	332	Teaching Social Studies in the Elementary School	3
EdE	401	Current Trends in Elementary Education	2
EdF	100	School and Society	3
EdM	300	Audio-Visual Education	2
EdP	250	Psychology of Learning and Development	3
EdU	360	The Disadvantaged Child (EVENING: 6:00-9:30 p.m. Mon. thru Thurs.)	3

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

All Pre-Session Classes are Evening Classes

Health Education

HEd	271	Safety Concepts, Emergency Procedures, Injury Management (7:00 to 9:00 p.m. Mon. thru Thurs.)	2
HEd	376	Family Life and Sex Education (7:00 to 9:00 p.m. Mon. thru Thurs.)	2
HEd	471	Mental Health Workshop (7:00 to 10:00 p.m. Mon. thru Thurs.) (See "Workshops/Other Special Offerings")	3

Physical Education

PEd	351	Evaluation in Health and Physical Education (7:00 to 10:00 p.m. Mon. thru Thurs.)	3
PEd	353	Organization and Administration of Physical Education and Athletics (7:00 to 10:00 p.m. Mon. thru Thurs.) (See COACHING PROGRAM under "Workshops/ Other Special Offerings")	3
PEd	355	Education for Safe Living (7:00 to 10:00 p.m. Mon. thru Thurs.)	3
PEd	356	Principles and Practices of Driver Education and Traffic Safety (7:00 to 10:00 p.m. Mon. thru Thurs.)	3
PEd	458	Physical Disabilities of Childhood (7:00 to 9:00 p.m. Mon. thru Thurs.)	2

(See also Athletic Training Education Program under "Workshops/Other Special Offerings")

SCHOOL OF MUSIC

Mus	121	Fine Arts (Music)	3
Mus	221	Music in Western Civilization I	3

SCHOOL OF SCIENCES AND MATHEMATICS

Biology

Bio	100	Basic Biological Science (01) (8:00 to 12:30 Mon. thru Fri. including Lab)	4
Bio	100	Basic Biological Science (02) (8:00 to 12:30 Mon. thru Fri. including Lab)	4
Bio	209	Human Anatomy (Lab 1:00 to 3:00 Mon. thru Thurs.)	4
Bio	330	Genetics (Lab 1:00 to 3:00 Mon. thru Thurs.)	4
Bio	378	Ornithology (8:00 to 12:30 Mon. thru Fri. including Lab)	3

Chemistry

Che	100	Chemistry and Man SEE 105 for Lab (10:00 to 11:30, 12:00 to 1:30)	3
Che	103	General Chemistry I (01) SEE 108 for Lab (8:30 to 10:30) (June 4 thru June 29)	3
Che	103	General Chemistry I (02) SEE 108 for Lab (8:30 to 10:30) (June 4 thru June 29)	3
Che	105	Basic Experimental Chemistry (Lab for Che 100) (8:00 to 10:00 Mon. thru Thurs.)	1
Che	108	Experimental General Chemistry I (01) (Lab for Che 103) (11:30 to 3:30 Mon. thru Thurs.) (June 4 thru June 29)	2
Che	108	Experimental General Chemistry I (02) (Lab for Che 103) (11:30 to 3:30 Mon. thru Thurs.) (June 4 thru June 29)	2
Che	231	Organic Chemistry I (8:00 to 10:30) (June 4 thru June 29)	4
Che	403	Chemistry of the Environment (Visits to industries may be scheduled certain afternoons)	3

Earth, Space, and General Sciences

MARINE SCIENCE CONSORTIUM (See "Workshops/Other Special Offerings")

ESS	101	Earth Science (Lab 1:00 to 3:00 Mon. thru Thurs.)	4
ScE	310	Science Education in the Elementary School	3

Mathematics

Mat	101	Mathematics for Elementary Teachers I	3
Mat	103	Introduction to Mathematics	3
Mat	105	College Algebra and Trigonometry	3
Mat	131	Introduction to Calculus I (for science majors)	3
Mat	141	Calculus I	4
Mat	340	Analysis for Elementary Teachers	3
Mat	351	Teaching Mathematics in Elementary Schools	3

Nursing

Nsg	413	Problems in School Nursing (EVENING: 6:00 to 9:00 p.m. Mon. thru Fri.) (See "Workshops/Other Special Offerings")	3

Physics

Sci	150	Basic Physical Science (Lab 1:00 to 3:00 Mon. thru Thurs.)	4
Hum	370	Seminar in Science and Human Values	3

SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

Anthropology

Ant	102	Introduction to Anthropology: Cultural	3

Business

BAc	201	Principles of Accounting I	3

Economics

Eco	201	Principles of Economics—Survey	3
Eco	231	Principles of Economics I	3
Eco	335	Money, Banking, and Fiscal Policy	3

Geography

Geo	101	World Geography	3

History

His	101	History of Civilization I	3
His	102	History of Civilization II	3
His	211	History of United States 1	3
His	212	History of United States II	3
His	310	The Labor Movement in American History NEW	3

Political Science

PSc	231	American Government	3
PSc	351	The Politics of the Non-Western Areas	3

Psychology

Psy	100	Introduction to Psychology	3
Psy	352	Child and Adolescent Psychology	3
Psy	365	Industrial Psychology	3

Social Welfare

SWe	301	Social Welfare Systems II (Macro)	3

Sociology

Soc	100	Introduction to Sociology	3
Soc	334	Juvenile Delinquency	3

Regular Session

Monday, June 25 through Friday, August 3

Classes meet daily, Monday through Friday, unless otherwise indicated.

Holiday: Wednesday, July 4

See Undergraduate Studies catalogue for course descriptions. Course listings are correlated with the 1972-74 catalogue. NEW indicates a course not described in the catalogue.

Offerings listed are contingent upon sufficient enrollment.

SCHOOL OF ARTS AND LETTERS

1:00—4:30 p.m.

SSc	380	Ethnic Cultures Institute (June 25 thru July 13) (See "Workshops/Other Special Offerings")	3

Art

8:00—9:30 a.m.

Art	101	Fine Arts (Art) (01)	3
Art	106	Drawing I	3
Art	111	Design I: Color and Design	3
Art	222	Sculpture II: Additive Techniqres	3

9:30—11:00 a.m.

Art	221	Sculpture I: Subtractive Techniques	3
Art	241	Graphics I: Introduction to Print-making	3
Art	251	Art in the Elementary School I	3
Art	266	Crafts: Three-Dimensional Media for Elementary Education	3
Art	412	American Architecture	3

11:00 a.m.—12:30 p.m.

Art	101	Fine Arts (Art) (02)	3
Art	226	Water Color I	3
Art	231	Ceramics I: Basic Techniques	3
Art	347	Crafts: Weaving	3
Art	405	Russian Art	3

English

8:00—9:30 a.m.

Eng	101	English Composition I (01)	3
Eng	102	English Composition II (01)	3
Eng	201	Introduction to Linguistics (also Lin 201)	3
Lit	221	General Literature I (01)	3
Lit	222	General Literature II (01)	3

9:30—11:00 a.m.

Eng	102	English Composition II (02)	3
Eng	315	Modern English Grammar	3
Eng	316	Teaching English in Secondary Schools	3
Lit	323	American Literature I	3
Lit	350	Children's Literature	3
Lit	357	Modern American Drama	3
Lit	372	Development of the American Novel	3

11:00 a.m.—12:30 p.m.

Eng	314	History of the English Language	3
Lit	221	General Literature I (02)	3
Lit	222	General Literature II (02)	3
Lit	226	Fiction	3
Lit	227	Drama	3
Lit	334	Shakespeare II	3
Lit	348	Short Story	3
Lit	380	Modern Poetry I	3

6:30—8:30 p.m.

Eng	101	English Composition (02) (EVENING: Mon. thru Thurs.)	3
Lit	324	American Literature II (EVENING: Mon. thru Thurs.)	3

Foreign Language

8:00—9:30 a.m.

Fre	101	Elementary French I	3
Fre	201	Intermediate French I	3
Lin	201	Introduction to Linguistics (also Eng 201)	3
Spa	101	Elementary Spanish I	3

9:30—11:00 a.m.

Ger	101	Elementary German I	3
Ger	201	Intermediate German I	3

11:00 a.m.—12:30 p.m.

Spa	201	Intermediate Spanish I	3

Philosophy

8:00—9:30 a.m.

Phi	280	Introduction to Philosophy (01)	3

9:30—11:00 a.m.

Phi	280	Introduction to Philosophy (02)	3
Phi	380	Ethics	3

11:00 a.m.—12:30 p.m.

Phi	490	Logic	3

6:30—8:30 p.m.

Phi	280	Introduction to Philosophy (03) (EVENING: Mon. thru Thurs.)	3

Speech and Theatre

8:00—9:30 a.m.

Sph	107	Effective Speech for the Teacher	3
ThA	206	Educational Theatre Production	3

9:30—11:00 a.m.

Sph	106	Introduction to Phonetics (also SpP 106)	3
Sph	250	Listening NEW	3
Sph	405	General Semantics	3
ThA	306	Creative Dramatics	3
ThA	307	Directing and Producing the Instructional Television Program	3

11:00 a.m.—12:30 p.m.

Sph	101	Fundamentals of Speaking	2
Sph	325	Speech and Communication in the Classroom NEW	3

Speech Pathology and Audiology

8:00—9:30 a.m.

SpP	201	Introduction to Speech Problems	3
SpP	304	Aural Rehabilitation	3

9:30—11:00 a.m.

SpP	106	Introduction to Phonetics (also Sph 106)	3

11:00 a.m.—12:30 p.m.

SpP	170	Speech and Language Development	3

To be Arranged

SpP	350	Clinical Practicum	2
SpP	351	Advanced Clinical Practicum	2

EdE	411	Student Teaching (Elementary Majors) (June 25—August 3)	6
		(Application should be filed prior to May 1)	

8:00—9:30 a.m.

EdA	241	Psychology of Exceptional Children (01) (Permission of Dr. Howard Freeman required)	3
EdE	251	Human Development: Childhood (01)	3
EdE	332	Teaching Social Studies in the Elementary School (01)	3
EdE	401	Current Trends in Elementary Education (01)	2
EdE	403	Early Childhood Education I	3
EdE	441	Workshop in Elementary Education (8:00 to 11:00 a.m.) (See "Workshops/Other Special Offerings")	4
EdF	100	School and Society (01)	3
EdM	300	Audio-Visual Education (01)	2
EdO	420	Organization and Administration of Outdoor Education	3
EdP	250	Psychology of Learning and Development (01)	3
EdS	306	Field Experience in Secondary Education	3

9:30—11:00 a.m.

EdA	241	Psychology of Exceptional Children (02) (Permission of Dr. Howard Freeman required)	3
EdE	309	Language Arts in the Elementary School (01) (9:30 to 12:30)	6
EdE	309	Language Arts in the Elementary School (02) (9:30 to 12:30)	6
EdE	401	Current Trends in Elementary Education (02)	2
EdF	350	Introduction to Guidance and Counseling	3
EdM	300	Audio-Visual Education (02)	2
EdP	351	Evaluation and Measurement (01)	2
EdR	000	Reading and Study Skills To be Arranged	0
EdR	320	Teaching of Reading in the Secondary Schools	3

11:00 a.m.—12:30 p.m.

EdE	251	Human Development: Childhood (02)	3
EdE	319	Reading in the Elementary School (Permission of Department required)	3
EdE	332	Teaching Social Studies in the Elementary School (02)	3
EdE	404	Early Childhood Education II	3
EdF	100	School and Society (02)	3
EdO	405	Conservation Education Curriculum: K-12	3
EdP	250	Psychology of Learning and Development (02)	3
EdP	351	Evaluation and Measurement (02)	2
EdU	361	Teaching in Urban Schools	3

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

Health Education

8:00—9:30 a.m.

HEd	172	Foundations of Health II	3
HEd	370	Health for the Elementary Grades (01)	3

8:30—11:30 a.m.

HEd	470	School/Community Health Workshop (June 25 thru July 13) (See "Workshops/ Other Special Offerings")	3

9:30—10:30 a.m.

HEd	170	Health	2

9:30—11:00 a.m.

HEd	370	Health for the Elementary Grades (02)	3
HEd	373	Preparation for Classroom Teaching	2

Physical Education

Note that a 1-hour physical education course may be taken in addition to a full (6-credit) load.

8:00—9:30 a.m.

PEd	356	Principles and Practices of Driver Education and Traffic Safety (01)	3
PEd	454	Theories and Practices of Conditioning and Training (See COACHING PROGRAM under "Workshops/Other Special Offerings")	2
PEd	456	Preparation for Teaching Driver Education (01)	3

9:30—11:00 a.m.

PEd	356	Principles and Practices of Driver Education and Traffic Safety (02)	3
PEd	453	Motor Learning (See COACHING PROGRAM under "Workshops/Other Special Offerings")	2
PEd	456	Preparation for Teaching Driver Education (02)	3

11:00 a.m.—12:30 p.m.

PEd	452	Principles of Coaching (See COACHING PROGRAM under "Workshops/Other Special Offerings")	2

11:30 a.m.—12:30 p.m.

PEd	101	Physical Activities I	1
PEd	102	Physical Activities II	1
PEd	103	Elective Physical Activities III	1

12:30—1:30 p.m.

PEd	142	Tennis-Golf (Co-ed)	1
PEd	201	Practice and Theory in Elementary Physical Education	1
PEd	202	Dance Activities in Elementary Physical Education	1
PEd	467	Supervised Camping Leadership (Field Experience. Consent of instructor required.)	3

(See also Athletic Training Education Program and Modern Dance Workshop under "Workshops/Other Special Offerings")

SCHOOL OF MUSIC

8:00—9:30 a.m.

Mus	112	Theory of Music I	3
Mus	113	Theory of Music II	3
Mus	121	Fine Arts (Music)	3
Mus	214	Aural Activities III	2
Mus	231	Music for the Primary Grades	3
Mus	341	Renaissance Music	2

9:30—10:30 a.m.

Mus	224	Keyboard Literature I	2

9:30—11:00 a.m.

Mus	212	Theory of Music III	3
Mus	213	Theory of Music IV	3
Mus	222	Music in Western Civilization II	3

10:30—11:30 a.m.

Mus	410 (1)	Computer Music	2
Mus	426	Choral Repertoire	2
Pia	310	Accompanying NEW	2

11:30 a.m.—12:30 p.m.

CCo	212	Choral Conducting II	2
Mus	114	Aural Activities I	2
Mus	115	Aural Activities II	2
Mus	215	Aural Activities IV	2
Mus	323	Aesthetics and Music Criticism	2
SyO	111-412	Symphony Orchestra	½

1:00—2:00 p.m.

BEn	111-412	Brass Ensemble	2
Dic	111	English-Italian Diction NEW	2
Mas	311-314	Master Class (Piano)	1
Mus	334	Music Appreciation in the Elementary Grades	2
Mus	410 (2)	Orff-Kodaly Seminar	2
SEn	111-412	String Ensemble	2

2:00—3:00 p.m.

Cho	311-412	Choir	½
MxC	111-412	Mixed Chorus	½

3:00—4:00 p.m.

CMB	111-412	Band	½

By Appointment

Private Instruction in Piano, Organ, Voice, and Instruments. (Contact School of Music for details.)

SCHOOL OF SCIENCES AND MATHEMATICS

Biology

8:00—9:30 a.m.

Bio	100	Basic Biological Science (Lab 1:00 to 3:00 Tues. and Thurs.)	4

9:30—11:00 a.m.

Bio	309	Human Physiology (Lab 1:00 to 3:00 Mon. and Wed.)	4

11:00 a.m.—12:00 Noon

Bio	272	Field Ecology and Natural History (Lab 1:00 to 3:00 Tues. and Thurs.)	3

Chemistry

8:00—9:00 a.m.

Che	321	Quantitative Analysis SEE 326 for Lab	2
Che	326	Quantitative Analysis Laboratory (9:30 to 1:00 Mon. thru Thurs.)	3

8:30—10:00 a.m.

Che	232	Organic Chemistry II SEE 237 for Lab (July 2 thru July 27) (Registration on June 25 required)	3

8:30—10:30 a.m.

Che	104	General Chemistry II SEE 109 for Lab (July 2 thru July 27) (Registration on June 25 required)	3

11:30 a.m.—3:30 p.m.

Che	109	Experimental General Chemistry II (01) (Lab for Che 104) (Mon. thru Thurs.) (July 2 thru July 27) (Registration on June 25 required)	2
Che	109	Experimental General Chemistry II (02) (Lab for Che 104) (Mon. thru Thurs.) (July 2 thru July 27) (Registration on June 25 required)	2

12:00 Noon—1:30 p.m.

Che	230	Introduction to Organic Chemistry SEE 235 for Lab	3
Che	235	Basic Experimental Organic Chemistry (Lab for Che 230) (8:00 to 12:00 Mon. and Wed.)	2

12:00 Noon—4:00 p.m.

Che	237	Experimental Organic Chemistry I (Lab for Che 232) (Mon. thru Thurs.) (July 2 thru July 27) (Registration on June 25 required)	2

4:30—6:00 p.m.

Che	408	Environmental Aspects of Industrial and Engineering Chemistry NEW	3

Earth, Space, and General Sciences

MARINE SCIENCE CONSORTIUM (See "Workshops/Other Special Offerings")

8:00—9:30 a.m.

ScE	310	Science Education in the Elementary School (01)	3

11:00 a.m.—12:30 p.m.

ScE	310	Science Education in the Elementary School (02)	3

Mathematics

8:00—9:30 a.m.

Mat	101	Mathematics for Elementary Teachers I	3
Mat	103	Introduction to Mathematics	3
Mat	411	Algebra 1	3
Mat	421	Mathematics Statistics 1	3

9:30—11:00 a.m.

Mat	142	Calculus II	4
Mat	351	Teaching Mathematics in Elementary Schools	3
Mat	441	Advanced Calculus I	3
CSc	101	Introduction to Computer Science	3

11:00 a.m.—12:30 p.m.

Mat	107	Calculus for Business I	3
Mat	110	Foundations of Mathematics I	2
Mat	111	Foundations of Mathematics II	2
Mat	121	Statistics	3
Mat	311	Algebra for Elementary Teachers	3

Nursing

8:00 a.m.—4:00 p.m.

Nsg	483	Care of the Acutely Ill Patient NEW (July 23 thru August 3—See "Workshops/Other Special Offerings") (Registration on June 25 required)	3

8:00 a.m.—5:00 p.m.

Nsg 482 The Nurse's Role in Care of Developmentally Disabled 2
NEW
(July 16 thru July 21—See "Workshops/Other Special Offerings")
(Registration on June 25 required)

9:00 a.m.—12 Noon

Nsg 480 Vision Problems Workshop 3
(June 25 thru July 13)
(See "Workshops/Other Special Offerings")

Physics

8:00 a.m.—12:30 p.m.

Phy 103 General Physics I (June 25 thru July 20) 4
Phy 104 General Physics II (July 23 thru Aug. 17) 4
(Registration on June 25 required)
General Physics I and II do not meet requirements for physics and mathematics majors.

9:30 a.m.—11:00 a.m.

Phy 212 Mechanics 3

11:00 a.m.—12:30 p.m.

Sci 150 Basic Physical Science 4
(Lab 1:30 to 3:30 Tues. and Thurs.)

SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

1:00—4:30 p.m.

SSc 380 Ethnic Cultures Institute (June 25—July 13) 3
(See "Workshops/Other Special Offerings")

Anthropology

8:00—9:30 a.m.

Ant 102 Introduction to Anthropology: Cultural 3

9:30—11:00 a.m.

Ant 200 Introduction to Archaeology 3

Afternoon

Ant 305 Historical Archaeology 3
(To be arranged)

Business

(Evening Classes)

7:00—9:40 p.m.

BAc	201	Principles of Accounting I (Meets M-W-F first week; T-Th second week; alternately thereafter)	3
BAc	202	Principles of Accounting II (Meets T-Th first week; M-W-F second week; alternately thereafter)	3
BAd	221	Principles of Marketing (See BAc 201 for meeting nights)	3
BAd	327	Marketing Management NEW (See BAc 202 for meeting nights)	3
BAd	201	Business Organization and Management (See BAc 201 for meeting nights)	3
BAd	302	Personnel Management (See BAc 202 for meeting nights)	3

Economics

8:00—9:30 a.m.

Eco	351	Quantitative Business Statistics I	3

9:30—11:00 a.m.

Eco	333	Consumer Economics	3

Geography

8:00—9:30 a.m.

Geo	101	World Geography	3

9:30—11:00 a.m.

Geo	210	Geographic Influences in American History	3

11:00 a.m.—12:30 p.m.

Geo	304	Northern Africa and the Middle East	3

History

8:00—9:30 a.m.

His	101	History of Civilization I (01)	3
His	102	History of Civilization II (01)	3
His	211	History of United States I	3
His	319	Social and Cultural History of the United States	3

9:30—11:00 a.m.

His	102	History of Civilization II (02)	3
His	212	History of United States II (01)	3
His	322	History of South Asia	3

11:00 a.m.—12:30 p.m.

His	101	History of Civilization I (02)	3
His	212	History of United States II (02)	3
His	313	History of Pennsylvania	3

Political Science

8:00—9:30 a.m.

PSc	231	American Government (01)	3
PSc	352	Civil Liberties and Civil Rights	3

9:30—11:00 a.m.

PSc	231	American Government (02)	3
PSc	333	International Politics	3

11:00 a.m.—12:30 p.m.

PSc	231	American Government (03)	3

7:00—9:00 p.m.

PSc	231	American Government (04) EVENING: Mon thru Wed. 7 to 9 p.m.; Thurs. 7 to 8:30 p.m.	3

Psychology

8:00—9:30 a.m.

Psy	245	Research Methods and Statistics I	3

9:30—11:00 a.m.

Psy	100	Introduction to Psychology (01)	3
Psy	375	Abnormal Psychology	3

11:00 a.m.—12:30 p.m.

Psy	354	Social Psychology	3
Psy	427	Behavior Modification NEW	3

7:00—9:00 p.m.

Psy	100	Introduction to Psychology (02) EVENING: Mon thru Wed. 7 to 9 p.m.; Thurs. 7 to 8:30 p.m.	3

Social Welfare

8:00—9:30 a.m.

SWe	200	Introduction to Social Work	3

Afternoon

SWe	201	Social Welfare Fields of Practice NEW (To be arranged)	2
SWe	250	Human Problems and the Interviewing Process NEW (To be arranged)	2

4:30—6:30 p.m.

SWe	300	Social Welfare Systems I (Micro) (Mon. thru Thurs.)	3
SWe	332	Social Work Supervision NEW (Tues., Wed., Thurs.)	2

6:30—8:30 p.m.

SWe	320	Principles and Methods of Social Work I (Micro) EVENING: (Mon. thru Thurs.)	3

Sociology

8:00—9:30 a.m.

Soc	100	Introduction to Sociology (01)	3
Soc	332	Contemporary Social Problems	3

9:30—11:00 a.m.

Soc	100	Introduction to Sociology (02)	3
Soc	338	Criminology	3

11:00 a.m.—12:30 p.m.

Soc	333	The Family	3

Post Session

Monday, August 6 through Friday, August 24

Each class meets 8:00—9:30 a.m. and 10:30—12 Noon, unless otherwise shown.

See Undergraduate Studies catalogue for course descriptions. Course listings are correlated with the 1972-74 catalogue. NEW indicates a course not described in the catalogue.

Offerings listed are contingent upon sufficient enrollment.

SCHOOL OF ARTS AND LETTERS

English

Eng	101	English Composition I	3
Eng	102	English Composition II	3
Lit	221	General Literature I	3
Lit	222	General Literature II	3
Lit	324	American Literature II	3
Lit	326	English Literature II	3
Lit	348	Short Story	3
Lit	350	Children's Literature	3
Lit	355	Modern British Drama	3

Foreign Language

Fre	102	Elementary French II	3
Fre	202	Intermediate French II	3
Ger	102	Elementary German II	3
Ger	202	Intermediate German II	3
Spa	102	Elementary Spanish II	3
Spa	202	Intermediate Spanish II	3

Philosophy

Phi	280	Introduction to Philosophy	3
Phi	374	Aesthetics	3

Speech and Theatre

Sph	101	Fundamentals of Speaking (9:00 to 11:00 a.m.)	2
Sph	107	Effective Speech for the Teacher	3

SCHOOL OF EDUCATION

EdA	243	Psychology of the Mentally Retarded (Permission of Dr. Howard Freeman required)	3
EdE	301	Creativity in the Classroom	3
EdF	100	School and Society	3
EdM	300	Audio-Visual Education	2
EdO	415	History of Conservation	3
EdP	250	Psychology of Learning and Development	3
EdP	351	Evaluation and Measurement	2

SCHOOL OF HEALTH AND PHYSICAL EDUCATION

Health Education

HEd	170	Health (9:00 to 11:00 a.m.)	2

Physical Education

PEd	352	Applied Physiology (See COACHING PROGRAM under "Workshops/Other Special Offerings")	3
PEd	355	Education for Safe Living	3
PEd	450	Methods and Materials of Safety Education	3

(See also Athletic Training Education Program under "Workshops/Other Special Offerings")

SCHOOL OF MUSIC

ICo	312	Instrumental Conducting II (9:00 to 11:00 a.m.)	2
Mus	121	Fine Arts (Music)	3
Mus	231	Music for the Primary Grades	3
Mus	414	Musical Acoustics	3

SCHOOL OF SCIENCES AND MATHEMATICS

Biology

Bio	100	Basic Biological Science (01) (8:00 to 12:30 Mon. thru Fri. including Lab)	4
Bio	100	Basic Biological Science (02) (8:00 to 12:30 Mon. thru Fri. including Lab)	4

Earth, Space, and General Sciences

MARINE SCIENCE CONSORTIUM (See "Workshops/Other Special Offerings")

Mathematics

Mat	101	Mathematics for Elementary Teachers I	3
Mat	103	Introduction to Mathematics	3
Mat	105	College Algebra and Trigonometry	3
Mat	108	Calculus for Business II	3
Mat	331	Geometry for Elementary Teachers	3

SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCES

Anthropology

Ant	102	Introduction to Anthropology: Cultural	3

Business

BAc	202	Principles of Accounting II	3

Economics

Eco	201	Principles of Economics—Survey	3
Eco	333	Consumer Economics	3

Geography

Geo	101	World Geography	3

History

His	101	History of Civilization I	3
His	102	History of Civlization II	3
His	211	History of United States I	3
His	212	History of United States II	3
His	351	Soviet Russia	3

Political Science

PSc	231	American Government	3

Psychology

Psy	100	Introduction to Psychology	3
Psy	352	Child and Adolescent Psychology	3
Psy	370	Mental Hygiene	3

Social Welfare

SWe	321	Principles and Methods of Social Work II (Macro) NEW	3

Sociology

Soc	100	Introduction to Sociology	3
Soc	335	Racial and Cultural Minorities	3

Summer Workshops and Other Special Offerings

For all communications mentioned below show name and title plus:

West Chester State College
West Chester, Pennsylvania 19380

Laboratory School

Regular Session

The Laboratory School in the new Learning Research Center will be open during the Regular Session for the purpose of demonstrating teaching at the elementary level. Experience in elementary student teaching will be available for a limited number of students who file applications early in the spring.

Workshop in Elementary Education (EdE 441)

June 25 thru August 3

A workshop open to experienced teachers and college graduates, providing opportunity for study of newer practices in elementary education. Current problems will be shared by the members of the group. An experienced coordinator will lead discussions. Master teachers and the facilities of the Laboratory School will be utilized for demonstration and observance. Regular Session; 8 to 11 a.m. Four semester hours of credit. Students may elect an additional 3-credit course.

Mental Health Workshop (HEd 471)

June 4 thru June 22 (Evenings)

A workshop designed to help educators improve their understanding of themselves and their students. Emphasis is on ways to recognize

and cope with mental-health problems. Three semester hours of credit. No additional courses may be carried during this three-week session. For information contact Mr. Walter E. Funk, Chairman, Department of Health Education, School of Health and Physical Education.

School/Community Health Workshop (HEd 470)

June 25 thru July 13

A workshop for rural teachers, school nurses, health education specialists, and others in health work. Three semester hours of credit. No additional courses may be carried during this three-week session. For information contact Mr. Walter E. Funk, Chairman, Department of Health Education, School of Health and Physical Education.

Athletic Training Education Program

June 18 thru August 17

The following courses can be taken as partial fulfillment of the National Athletic Trainer's Association's approved program for preparation toward National Certification. The total program consists of a 15-hour block, with prerequisites. Nine of these hours are being offered. They will run contiguously and must be taken as a block from 8 to 11:30 a.m. and 1 to 2 p.m., Monday through Friday.

		Semester Hours of Credit
PED 357	Therapeutics	(3)
PED 358	Advanced Athletic Training I	(3)
PED 359	Advanced Athletic Training II	(3)

Interested students should contact Mr. Phillip B. Donley, Associate Professor, School of Health and Physical Education. Applications must be received by Mr. Donley before May 1.

Coaching Program

Pre, Regular, Post Sessions

A new, pilot-type program, directed to those who coach or intend to coach but are not in or from the field of health and physical education. Open to undergraduates and graduates from all fields of study. The Commonwealth has no certification program in coaching, but those who successfully complete the following series of courses will earn a transcript and a written endorsement from the School of Health and Physical Education, attesting to school administrators that the recipients have attained the basic specialized academic preparation for coaching. In introducing this program,

the School of Health and Physical Education hopes to set a model for a long needed broadening of coaching standards.

Although the program may be completed by attending all three 1973 summer sessions, it is also possible to build toward the endorsement by carrying less than the total schedule in a given summer.

Since all of the courses are part of their curriculum, West Chester physical education majors may take any of them toward graduation requirements.

PRE SESSION (EVENING)

Organization and Administration of Physical Education and Athletics (PEd 353)	(3)

REGULAR SESSION (DAY)

Principles of Coaching (PEd 452)	(2)
Motor Learning (PEd 453)	(2)
Theories and Practices of Conditioning and Training (PEd 454)	(2)

POST SESSION (DAY)

Applied Physiology (PEd 352)	(3)

(See schedule of each session for class hours and dates.)

Workshop in Modern Dance

June 25 thru June 29

A summer dance workshop for serious dance students of high school and college age, sponsored by the School of Health and Physical Education. Offerings will include morning and afternoon classes, Monday thru Friday, in modern dance techniques. Classes will be presented by a known professional guest teacher and by Miss Nelson. For brochure and application forms, write to Miss Lida Nelson, Workshop Director, School of Health and Physical Education.

Ethnic Cultures Institute (SSc 380)

June 25 thru July 13

Jointly sponsored by the Schools of Arts and Letters and Social and Behavioral Sciences, the Ethnic Cultures Institute will consider the contributions of ethnic groups to the culture of the United States. Educators and community leaders with extensive personal experience will lecture, take part in panel discussions, and serve as resource people. Open to juniors and seniors with permission of the Dean of the School of Social and Behavioral Sciences. The Institute is also open to teachers and community action personnel. Three semester hours of credit. Hours: 1 to 4:30 p.m., Monday through Friday. For details contact Dr. Jody M. Harris, Director of Curriculum Enrichment.

International String Conference and Chamber Music Workshop

August 11 thru August 19

The Twelfth Annual String Conference and Chamber Music Workshop, held in Swope Hall under the sponsorship of the School of Music and the Pennsylvania String Teachers Association. Master classes in each of the string instruments for both young people and adults, under a faculty of distinguished string authorities. Three string symphony orchestras (two for youth and one for adults) will be in daily rehearsal, culminating in gala performances. Chamber music ensembles, organized and coached by noted chamber music teachers; solo literature classes; guest lecturers and experts in many phases of string training and performance. The Conference will embrace complete programs for both adults and youth. For information and applications write to Dr. Constantine Johns, Executive Director of the String Conference, School of Music.

Twelfth Annual High School Music Workshop

July 1 thru July 26

A summer music workshop for serious musicians of high school age, sponsored by the School of Music. Offerings will include: band, orchestra, chorus, individual lessons, music theory, music appreciation, conducting, improvisation seminar, related arts seminar, ensembles, and dance band. Also: master classes in repertoire and literature for students of voice and piano. Concerts, recitals, and special clinics, open to the public, are highlights. For brochure and application forms write to Dr. Frederick C. Pflieger, High School Music Workshop Director, School of Music.

Marching Band Conference and Workshop

August 1 thru August 3

The West Chester State College Marching Band, in cooperation with the School of Music, will sponsor the Fourth Annual Marching Band Conference and Workshop. The conference is primarily designed for high school and college directors and students. Offerings will include flag, rifle, and twirling instruction, with each area divided into two categories: intermediate and advanced. There will be clinics in both intermediate and advanced percussion. Finally, the marching band offering will be divided into workshops for students, and workshops and conferences for directors. Foremost authorities will conduct the clinics. Information may be obtained from Mr. James R. Wells, Marching Band Director, School of Music.

Piano Teachers Workshop and Master Class

June 17 thru June 19

The Department of Keyboard Music and the Southeastern Division

of the Pennsylvania Music Teachers Association will sponsor this forum featuring Department faculty members, a panel of teachers from the PMTA, and a distinguished artist pianist in master classes and lecture-recitals. For information contact Mr. Robert M. Bedford, Piano Teachers Workshop Director, School of Music.

Marine Science Consortium

Summer. 1973

As a participant in the Delaware Bay Marine Science Consortium, West Chester will offer courses in oceanography and marine sciences at the Consortium field stations in Delaware and Virginia during five summer sessions. Course offerings and dates of sessions were not available for this catalogue but will be announced soon after March 1. For details, contact Mr. John E. Ehleiter, Associate Professor, Department of Earth, Space, and General Sciences.

Problems in School Nursing (Nsg 413)

June 4 thru June 22 (Evenings)

A survey of fundamental principles of school nursing—past, present, and future. Definitions, patterns, and processes of school nursing practice as they relate to public health nursing, to education, and to the community. Three semester hours of credit. For information contact Mrs. Alverta Stichter, Coordinator of Continuing Nursing Education, Department of Nursing.

Vision Problems Workshop (Nsg 480)

June 25 thru July 13

In-depth study of visual problems associated with the school-age population. Multiple disciplines will present background information and current modalities of problem identification and treatment. The last week of the workshop will deal with the identification and treatment of problems of visual perception. Three semester hours of credit. For information contact Mrs. Mary Kline, Assistant Professor, Department of Nursing.

The Nurse's Role in Care of Developmentally Disabled (Nsg 482)

July 16 thru July 21

Assists professional nurses from public health agencies, school systems, and other community institutions to define their role and update their knowledge and skills in the application of physical, psychological, vocational, and social rehabilitation to the mentally retarded and to epileptic and cerebral palsied persons. Two semester

hours of credit. Registraton on June 25 required. For information contact Mrs. Alverta Stichter, Coordinator of Continuing Nursing Education, Department of Nursing.

Care of the Acutely Ill Patient (Nsg 483)

July 23 thru August 3

This workshop assists the professional nurse to update her knowledge and skill in the care of the acutely ill patient with a cardiovascular or pulmonary problem. Emphasis is on continuity of care as the patient progresses from the acute to the recovery phase. Three semester hours of credit. Registration on June 25 required. For information contact Mrs. Alverta Stichter, Coordinator of Continuing Nursing Education, Department of Nursing.

Map of North Campus

West Chester State College Catalogue

WEST CHESTER, PENNSYLVANIA 19380

UNDERGRADUATE SUMMER SESSIONS 1973

Non-Profit Organization
U.S. POSTAGE PAID
West Chester, Pa. 19380
Permit No. 309

THIRD CLASS

WEST CHESTER STATE COLLEGE

undergraduate • summer 1974

UNDERGRADUATE SUMMER CALENDAR 1974

Pre-Registration begins March 15, 1974, and continues until termination date given below for each Session.

PRE SESSION

Pre-Registration ends 4 p.m.	Thursday, May 23
Registration*	Monday, June 3

Students register according to first letter of last name:

A thru F	8:30 to 9:45 a.m.	M thru R	12:30 to 1:45 p.m.
G thru L	9:45 to 11:00 a.m.	S thru Z	1:45 to 3:00 p.m.

Classes begin 8:00 a.m.	Tuesday, June 4
Classes end	Friday, June 21

REGULAR SESSION

Pre-Registration ends 4 p.m.	Friday, June 14
Registration*	Monday, June 24

Students register according to first letter of last name:

A thru F	8:30 to 9:45 a.m.	M thru R	12:30 to 1:45 p.m.
G thru L	9:45 to 11:00 a.m.	S thru Z	1:45 to 3:00 p.m.

Classes begin 8:00 a.m.	Tuesday, June 25
Holidays	Thursday, Friday, July 4, 5
Classes end	Friday, August 2

POST SESSION

Pre-Registration ends 4 p.m.	Friday, July 26
Registration*	Monday, August 5

Students register according to first letter of last name:

A thru F	8:00 to 9:00 a.m.	M thru R	10:00 to 11:00 a.m.
G thru L	9:00 to 10:00 a.m.	S thru Z	11:00 to 12 Noon

Classes begin 8:00 a.m.	Tuesday, August 6
Classes end	Friday, August 23

REGISTRATION PLACE

Lawrence Center, at western end of College Avenue (see map)

* No student may register at other than his scheduled hour and date. Employed students should arrange for time off in order to register at their designated hour.

TELEPHONES (AREA CODE 215)

Summer Sessions Office	436-2230
Student Enrollment Center	436-2420
Information and Assistance	436-1000

WEST CHESTER STATE COLLEGE CATALOGUE

UNDERGRADUATE STUDIES

SUMMER SESSIONS 1974

ACCREDITATION

The Middle States Association of Colleges and Secondary Schools/The National Council for Accreditation of Teacher Education/The American Association for Health, Physical Education, and Recreation/The National Association of Schools of Music/ The Council on Social Work Education, and The American Chemical Society

MARCH 1974/WEST CHESTER, PENNSYLVANIA 19380

ADMINISTRATION

INTERIM PRESIDENT	JAMES E. McKINLEY
VICE PRESIDENT FOR ACADEMIC AFFAIRS	ALBERT E. FILANO
Associate Vice President for Academic Affairs	Dennis D. Bell
Dean of Undergraduate Studies	Emil H. Messikomer
Associate Dean of Undergraduate Studies	John C. Lewis
Dean of Graduate Studies	Willard J. Trezise
Dean, School of Arts and Letters	John W Clokey
Dean, School of Education	Harold W. Benda
Dean, School of Health and Physical Education	Edwin L. Youmans
Dean, School of Music	Charles A. Sprenkle
Dean, School of Sciences and Mathematics	Russell K. Rickert
Dean, School of Social and Behavioral Sciences	Byron Y Fleck
Director of Admissions	R Godfrey Studenmund
Director of Scheduling and Academic Records	William U. Hodgson
Summer Sessions Recreation Coordinator	Edward C Bitner
Vice President for Student Affairs	Louis F. Weislogel
Associate Dean of Students	Bernice Bernatz
Associate Dean of Students	Kenneth F. Burda
Dean of Administration	Elinor Z Taylor
Director of Financial Aid to Students	Theodore H. Butcher
Director of the Career Development Center	Edward T Twardowski
Director of Business Affairs	Everett E. Shaefer
Director of Facilities	Robert C Hannum

A GUIDE TO WHAT'S INSIDE

	TURN TO PAGE:
Pre Session Offerings	17
Regular Session Offerings	20
Post Session Offerings	28
Descriptions of Special Offerings	30
How to Pre-Register	14
and How to Register	15
General Information	7
Fees and Expenses	10
Academic Information	11
Map	Inside back cover
Calendar	Inside front cover
Telephones	Inside front cover
How to Get to West Chester	7

OUR ADDRESS IS: West Chester State College
West Chester, Pennsylvania 19380

Undergraduate Degree Programs Offered at West Chester

Teacher Education

ELEMENTARY EDUCATION

SECONDARY EDUCATION

Communication—
Speech/Theatre

English

Foreign Languages
French Russian
German Spanish
Latin

Sciences and Mathematics
Biology
Chemistry
Earth and Space Science
Mathematics
Physics

Social Sciences
Social Studies
Social Studies—Geography
Social Studies—History
Social Studies—Political Science

HEALTH AND PHYSICAL EDUCATION
Health Education
Health and Physical Education

MUSIC EDUCATION

SPECIAL EDUCATION
Speech Pathology and Audiology

COOPERATIVE DEGREE PROGRAM
Dental Hygienists

CERTIFICATION PROGRAMS

Driver Education and Safe Living
Environmental (Outdoor) Education
Special Education
Teaching the Mentally Retarded
Teaching the Physically Handicapped

Arts and Sciences

ARTS AND LETTERS
Art
Foreign Languages
French Russian
German Spanish
Latin
Literature
Philosophy
Speech Arts
Theatre Arts

SCIENCES AND MATHEMATICS
Biology
Chemistry
Mathematics
Physics

NURSING

MUSIC
B.A. Degree
B.Mus. Degree

SOCIAL AND BEHAVIORAL SCIENCES
Economics
Geography
History
Political Science
Psychology
Social Welfare
Sociology-Anthropology

BUSINESS ADMINISTRATION
Accounting
Economics
Management
Marketing

INTERDISCIPLINARY PROGRAM
American Studies

a note to prospective students . . .

You were thinking about a long trip this summer, but your car won't run on ginger ale?

You **could** take another kind of trip—you could come to a West Chester summer session! Summer classes are, in fact, very much like trips. One reason is simply that it's summer. Vacation time. The good hot sun hits you; you sniff the ozone and the fresh-cut grass; tennis rackets are everywhere; car tops are down; and nearly everyone's in shorts.

Like passengers on a cruise, you're strangers—taking side glances at each other—when you get "on board" the first Tuesday of your session. By Thursday, you're all great friends.

This easy informality happens because classes are smaller, professors are free from wintertime pressures, and there's a wonderful mix of people in the summer sessions—young, middle-aged, teachers, housewives, preachers, nuns, foreign students, social workers, and those who come just for the sheer fun of it. This makes for very lively classes. You're all together on a short, intensive, educational excursion. Your four-walled "boat" won't take off—but **you** will!

The mix of people has always been due, of course, to the open, innovative nature of summer sessions. We hold them for a wide variety of purposes: for undergraduates who want to accelerate their studies or satisfy an academic deficiency; for teachers seeking permanent certification; as proving grounds for new courses; and for workshops and other special offerings.

In recent years, with the new sense of venture in education, summer sessions have become even more inviting for quite another reason: a great many classes have burst out of their four walls and into the community and the great outdoors. To woodlands and

fields, down the Brandywine Creek for environmental study, into rock quarries, on anthropological digs at a pre-Revolutionary farm site, to courtrooms, welfare agencies, hospitals, mental institutions, into the Atlantic Ocean for marine life study, to other lands—Puerto Rico, Europe, and now even to India.

Whether you're an undergraduate needing a "101," a retired industrial chemist, or a mother of three who'd like a one-week escape with the mini-course on Summer Flowers of Chester County, we hope you'll take a good look at our Pre, Regular, and Post Session listings. It would be nice to have you on board in 1974. We're old hands at summer sessions (there was no gasoline problem when we held our first one in 1877), and we know how to make them run.

We think you'd have a fine trip!

Cover design and all drawings by Donald R. Beaman

GENERAL INFORMATION

Our summer program takes place in three sessions—two three-week sessions at the beginning and end, and a six-week session in the middle. You will find the dates inside the front cover. When you take a summer course you are entitled to make full use of all the College's resources—and they are extensive. As most of you know, we are one of the largest and oldest of the 14 State-owned colleges/university, and are now into our second century of teacher education and our second decade as a comprehensive college with a strong, rapidly growing liberal arts program. For a full picture of the College, the Admissions Office will be happy to give you an Undergraduate Bulletin; the Graduate Office, a Graduate Bulletin. Both offices are in the Administration Building, the greenstone building with the cupola on top, at the corner of Church and College Avenues.

Here, also, you'll find the Summer Sessions Office and the Student Enrollment Center where you come for a number of academic purposes. The building is open Monday through Friday, 8 a.m. to 4:30 p.m. during spring semester and June, and 8 a.m. to 4:00 p.m. during July and August. See inside front cover for telephone numbers.

How to Reach West Chester

Route 3 (West Chester Pike) from Philadelphia
Route 100 South from Downingtown Interchange of Pennsylvania Turnpike
Route 202 South from Valley Forge Interchange of Pennsylvania Turnpike.
Septa Buses from 69th Street Terminal in Philadelphia
Penn Central Railroad from Philadelphia to West Chester (limited schedule)

West Chester (the town) is a pleasant, county-seat community of about 20,000, 25 miles west from Philadelphia. From the center of town (High Street at Gay), the College is about one mile south on High. If you approach West Chester on Route 202, come north on High Street for about one mile.

HOUSING. We have spiffy new high-rise residence halls for those who want to live on campus during any or all of the summer sessions. You can apply for a room soon after you have sent us your pre-registration forms by writing to the Associate Deans of Students Office, Room 113, Ramsey Hall. We must have your written application for housing at least one week before a session begins. Rooms may be occupied after 2 p.m. on the Sunday before a session. The residence halls have lounge and recreation facilities, TV, plenty of room for your water skis, house plants, and such, and are just a stone's throw from the Lawrence Center dining hall.

RECREATION SERVICES. For those who like to get away from it all, West Chester has interesting cultural, social, and sports activities in the summer. Recreation Services—the office responsible for meeting the leisure-time needs of summer students—arranges such regular features as excursions to Robin Hood Dell in Philadelphia, Longwood Gardens, and professional baseball games.

Recreation equipment is available to summer students. Items for loan range from tennis rackets, baseball equipment, volleyballs, softball bats and balls, to tents and sleeping bags. If you want to shop uptown, or just pedal around and enjoy the scenic beauty of Chester County, you can also borrow a bicycle. The equipment is loaned from Ehinger Gymnasium, College Avenue.

If you like your exercise competitive, there are intramural softball and volleyball leagues for both men and women.

Social programs include dances, student-faculty coffee hours, music programs, and a cinema series.

The following facilities are open for informal recreation use: Hollinger Gymnasium and swimming pool (College Avenue), the tennis courts on both North and South Campus, Ehinger Gymnasium, and Recreation Park, behind Sanderson Hall.

For details, phone or see the Coordinator of Recreation Services, South Campus (436-2133).

PLACEMENT SERVICES. The College maintains an active Career Development Center for its students. Opportunities for employment in teaching and other careers are offered to graduates and

graduating seniors at no charge, and counseling in career planning is available to all students. Location: Reynolds Hall.

EMPLOYMENT AND LOANS. If you are interested in part-time or hourly work on campus or in the community, communicate with the Director of Financial Aid to Students, Lawrence Center. He is also the person to see for information about loans.

STUDENT HEALTH SERVICE. To meet emergency and first-aid needs, and to perform routine infirmary treatment of minor illness and minor surgical conditions, two part-time physicians and a staff of registered nurses are available, at no cost to students. Beyond these services, the College does not furnish medical care nor bear the costs of medical or surgical treatment or hospitalization. The community of West Chester has qualified physicians and excellent hospital facilities. The Health Service is in Reynolds Hall where, for emergencies, a nurse is on duty on a 24-hour basis.

Summer students may take advantage of a group medical and accident policy, approved by the College and covering them for the 12 weeks of the summer session, at a minimal premium. See the Health Service.

THE COUNSELING CENTER. The professional counseling and psychological services of the Counseling Center are available to students needing assistance regarding educational, vocational, personal, social, and emotional concerns. The counseling psychologists who staff the Center are experienced in counseling, personality evaluation, and administration of psychological tests. Assistance is provided through both individual and group approaches, depending upon student need. All conversations and test results are confidential. Location: Ramsey Hall.

APPLYING FOR ADMISSION FOR THE ACADEMIC YEAR. The first of several steps toward admission to fall and spring semesters is the filing of application forms. The Admissions Office will be glad to give you a form and an Undergraduate Studies Bulletin in which you will find admission requirements as well as full information about the College's undergraduate degree programs.

SUMMER SESSIONS FEES & EXPENSES

Fees are subject to change without notice.

All charges for a session must be paid on the day of registration.

(Unless otherwise specified, fees are paid by check or money order payable to: Commonwealth of Pennsylvania Your check or money order serves as your receipt.)

Basic Fee (Pennsylvania Residents)

$31 per semester hour of credit
Minimum fee for Regular Session. $93
Minimum fee for Pre or Post Session: $46 50

Basic Fee (Out-of-State Students)

$46 per semester hour of credit
Minimum fee for Regular Session. $138
Minimum fee for Pre or Post Session $69

Housing Fee (Room and Meals)

Regular Session. $126
Pre or Post Session $63
No reduction for absences of a few days

Private rooms $2 extra per week
Charges for individual meals breakfast 65¢ lunch 85¢ dinner $1 25

Private Music Instruction Fee

Students who elect private instruction (two half-hour lessons per week) in piano, organ, voice, or an instrument pay an applied-music fee of $45 for Regular Session.

Pipe Organ for Practice

Regular Session: $12
Pre or Post Session: $6
(No charge for piano for practice)

Rental of Band or Orchestral Instruments

Regular Session: $6
Pre or Post Session: $3

Late Registration Fee

The $10 late registration fee is charged when students register after the preregistration period or after registration day for any session The Tuesday after registration day in Pre and Post Session is the last registration day and is counted as late registration For Regular Session, the Tuesday and Wednesday after registration are the last two days to register and are counted late registration

Student Activities Fee

(Check or money order payable to: Intracollegiate Governmental Association)

Regurar Session: $3 50
Pre or Post Session $1 75

Refunds

In cases of personal illness, certified by the attending physician, or for emergency reasons having Trustees approval, the College will refund the portion of basic fees covering missed days of a session

ACADEMIC INFORMATION

CREDITS. Credits are usually earned at the rate of one semester hour for each week of summer session. A student attending all three sessions normally earns 12 credits.

West Chester students wishing to carry more than six semester hours in Regular Session must secure permission from their adviser. Transient students must obtain adviser permission from the school to which they plan to transfer the credit.

REINSTATEMENT TO FALL SEMESTER. If a West Chester student does not attain the required cumulative index by the end of spring semester, he may attend West Chester summer sessions in order to improve his academic average. Unless he attains the required cumulative index by the end of the sessions, he will incur academic dismissal. If he achieves the required index, he will be notified by letter from the Chairman of the Academic Standards Committee. He will not need to apply for readmission.

ACADEMIC DISMISSAL. Concerning minimum standards for retention, students must consult their departmental handbook. Those admitted or readmitted after June 1973 must consult "New Academic Standards," a pamphlet available in department offices.

WITHDRAWAL FROM A COURSE. Withdrawal from a course or courses must be initiated by the student, who first reports his intention to withdraw to his instructor, and then goes to the Summer

Sessions Office, Administration Building, to complete the procedure. Courses from which a student withdraws without following this procedure produce an F.

See Fees and Expenses for withdrawal refund policy.

WITHDRAWAL FROM THE COLLEGE. West Chester State College degree candidates who wish to withdraw from the College—that is, not to return in the fall semester—should report to the Withdrawal Office, Ramsey Hall.

COURSE CHANGES. After Registration Day, the course-change periods are:

Pre and Post Sessions: the Tuesday following Registration Day.
Regular Session: the Tuesday and Wednesday following Registration Day.
Place: Student Enrollment Center.

Course changes may also be made *before* the pre-registration deadline of a session, in the Summer Sessions Office.

TEACHER CERTIFICATION

Instructional I Certificate. A student who satisfactorily completes one of the College's teacher education curricula receives his degree from the College and qualifies for an Instructional I Certificate, issued to him by the Pennsylvania Department of Education. This certificate is valid for three years from date of issue.

Instructional II Certificate. This certificate requires three years of successful teaching in Pennsylvania Public Schools under the Instructional I Certificate and satisfactory completion of 24 semester hours of additional work of collegiate grade, taken after the baccalaureate degree is received.

The 24-semester-credit-hour requirement may be satisfied, in whole or in part, through in-service programs approved by the

Pennsylvania Secretary of Education. The Instructional II Certificate is a permanent license to teach in Pennsylvania.

Either certificate may be extended to include another field by completing the College requirements for that field. (See Undergraduate Studies catalogue.)

COLLEGE REGULATIONS AND POLICIES. Regulations pertaining to student procedure and conduct during the academic year are also in effect for summer.

The class-absence policy for the academic year applies in summer.

All academic policies may be noted in the Undergraduate Studies Catalogue.

SUMMER GRADUATION. Students who expect to graduate at the end of a Pre, Regular, or Post Session are urged to attend the Spring Commencement preceding summer sessions. It is the student's responsibility to notify the Student Enrollment Center in person of his anticipated graduation, and to see that his name, written as he desires, is placed on the list of prospective graduates.

The time and days of classes are subject to administrative change.

Each summer session offering is contingent upon adequate enrollment and the judgment of the Dean of the School offering the course.

The provisions of this Catalogue are not to be considered an irrevocable contract between the student and the College. West Chester State College reserves the right to change any provisions or requirements at any time within the student's term of attendance.

HOW TO PRE-REGISTER & HOW TO REGISTER

Admission to a summer session does not imply admission for the academic year.

Admission to summer sessions is really a simple matter. First, you pre-register. Second, you register. And that's it.

Pre-Registering

In this catalogue (or at the Office of Admissions) you will find pre-registration forms. Just fill them out—make certain you don't skip anything. If you are now a student in another college, you will also need to ask a responsible official of your school to sign your pre-registration card.

Then, mail or bring your forms to the Summer Sessions Office. That's all there is to Pre-Registration. Your next move is to report to Lawrence Center (with your checkbook in your purse or pocket) on the registration day for each session you are going to attend.

The pre-registration period begins March 15. There is a pre-registration deadline for each session. You should note these carefully right now:

Pre-Registration Deadlines		Registration Days (also Payment Days)	
PRE:	Thursday, May 23	PRE:	June 3
REGULAR:	Friday, June 14	REGULAR:	June 24
POST:	Friday, July 26	POST:	August 5

Unless your forms reach us by the deadline for your session (or sessions) you will have to pay a $10 late fee.

If, after sending your forms, you should want to change a course, you can do so in the Student Enrollment Center *BEFORE the Pre-registration deadline* for your session. After that, no course changes until registration day.

Are You Listening?

We want to make one thing "perfectly clear": We have no payment-by-mail system for Undergraduate Summer Sessions. You must pay all summer session fees right on the spot at registration!

REGISTERING

On registration day (or days) bring this catalogue with you, and use the following instructions as you go through the lines.

REGISTRATION INSTRUCTIONS

Place of registration: Lawrence Center

Proceed from station to station in order shown

Station I. Foyer

1 Secure calendar for session

2. Secure classroom assignment sheet

Station II. Northeast Dining Room

1 As you enter, secure registration materials.

2 Enrollment Table—Change of Course or Late Registration.

a) If you want to change or drop a course, report here.

b) If you have not pre-registered, report here.

3 Scheduling and Academic Records Table.

a) If you plan to graduate in August 1974, sign here for diplomas (Designate graduation date as Pre, Regular, or Post Session.)

b) If you are in Teacher Education and plan to graduate in August 1974, secure application for your

Instructional I Certificate (if you haven't done so before).

c) If you receive Veterans' benefits, secure form here.

d) If you want credits transferred to another college, secure form here.

4. Fill out your registration materials at designated writing tables.

5 Checking Table.

a) Registration cards will be checked for accuracy and collected here.

b) Proceed to Station III.

Station III. Northwest Dining Room

1 Pay basic fee and room-and-board fee.

2. Automobile Regulations Station Both commuting and resident students obtain automobile decals here.

3 Student Activities Table.

Pay your student activities fee here. Please have your check made out and ready. Payable to: Intracollegiate Governmental Association.

Pre or Post Session Fee	$1.75
Regular Session Fee	3.50

Pre Session

Monday, June 3, through Friday, June 21

Each class meets 8-9:30 a.m. and 10:30-12 Noon, Monday thru Friday, unless otherwise shown.

See Undergraduate Studies catalogue for course descriptions. Course listings are correlated with the 1972-74 catalogue. NEW indicates a course not described in the catalogue. Offerings listed are contingent upon sufficient enrollment. Semester hours of credit are shown in parentheses following course titles.

School of Arts & Letters

Art

Art 101—Fine Arts (Art) (3)
Art 221, 222, 321, 322—Combined Sculpture Workshop (3 credits for whichever course is selected)
Art 360—Function of the Museum in Art (3)
Art 404—Ethnic-American Art: Workshop (3)

English

Eng 101—English Composition I (3) (Sec 01)
Eng 101—English Composition I (3) (Sec 02) EVENING: 6:00-9:30 Mon thru Thurs.
Eng 102—English Composition II (3)
Eng 201—(Also Lin 201) Introduction to Linguistics (3)
Lit 221—General Literature I (3)
Lit 222—General Literature II (3)
Lit 226—Fiction (3)
Lit 227—Drama (3)
Lit 323—American Literature I (3)
Lit 333—Shakespeare I (3)
Lit 350—Children's Literature (3)
Lit 351—Adolescent Literature (3) NEW

Foreign Languages

Fre 412—Seminar in Teaching French Language through Literature (3) EVENING 6:00-9:30 Mon thru Thurs.

Philosophy

Phi 101—Introduction to Philosophy (3)
Phi 380—Ethics (3)

Speech and Theatre

Sph 100—(also SpP 100) Bases of Speech (3)
Sph 101—Fundamentals of Speaking (2) 9 00 to 11:00 a m.
Sph 315—Discussion (3)

Speech Pathology and Audiology

SpP 100—(also Sph 100) Bases of Speech (3)

School of Education

EdE 301—Creativity in the Classroom (3)
EdE 306—Classroom Management (3) NEW
EdE 332—Teaching Social Studies in the Elementary School (3)
EdE 401—Current Trends in Elementary Education (2)
EdM 300—Audio-Visual Education (2)
EdO 410—Methods of Conservation Education (3)
EdP 250—Psychology of Learning and

Development (3)
EdU 360—The Disadvantaged Child (3) EVENING: 6-9:30 Mon. thru Thurs

School of Health & Physical Education

All Pre-Session Classes are Evening Classes in the School of Health and Physical Education

Health Education

HEd 271—Safety Concepts, Emergency Procedures, Injury Management (2) 7:00 to 9:00 p.m. Mon. thru Thurs.
HEd 376—Family Life and Sex Education (2) 7:00 to 9:00 p.m. Mon. thru Thurs.
HEd 471—Mental Health (3) 6:30 to 10:00 p.m. Mon. thru Thurs

Physical Education

PEd 351—Evaluation in Health and Physical Education (3) 6:30 to 10:00 p.m. Mon. thru Thurs.
PEd 353—Organization and Administration of Physical Education and Athletics (3) 6:30 to 10:00 p.m. Mon. thru Thurs. See COACHING PROGRAM under Workshops/Other Special Offerings
PEd 355—Education for Safe Living (3) 6:30 to 10:00 p.m. Mon. thru Thurs.
PEd 360—Pathology of Special Physical Education (2) NEW 7:00 to 9:00 p.m. Mon. thru Thurs.
PEd 450—Methods and Materials of Safety Education (3) 6:30 to 10:00 Mon. thru Thurs
PEd 458—Physical Disabilities of Childhood (2) 7:00 to 9:00 p.m. Mon. thru Thurs.

See also Athletic Training Education Program under Workshops/Other Special Offerings.

School of Music

Mus 121—Fine Arts (Music) (3)
Mus 221—Music in Western Civilization I (3)

School of Sciences & Mathematics

Biology

Bio 100—Basic Biological Science (4) 8:00 to 12:30 including Lab
Bio 209—Human Anatomy (4) Lab 1:00 to 3:00 Mon. thru Thurs.
Bio 272—Field Ecology and Natural History (3) 8:00 to 12:30 including Lab
Bio 378—Ornithology (3) 8:00 to 12:30 including Lab

Chemistry

Che 103—General Chemistry I (3) (Sec 01) June 4 thru June 28. 8:30 to 10:30 a.m. (See ChL 103 for Lab)
Che 103—General Chemistry I (3) (Sec 02) See Sec 01 above
ChL 103—Experimental General Chemistry I (2) (Sec 01) Lab for Che 103. June 4 thru June 28. 11:30 to 3:30 Mon. thru Thurs.
ChL 103—Experimental General Chemistry I (2) (Sec 02) (See Sec 01 above)
Che 231—Organic Chemistry I (4) June 4 thru June 28. 8:30-11:00
Che 403—Chemistry of the Environment (3) Visits to industries may be scheduled certain afternoons. 4:30 to 7:45 Mon. thru Thurs.
Che 404—Foundations of Nutrition (3) NEW 4:30 to 7:45 Mon. thru Thurs.

Earth and Space Science

ESS 111—General Astronomy (4) Lab 1:00-3:00 Mon. thru Thurs
ScE 310—Science Education in the Elementary School (3)

Mathematics

Mat 101—Mathematics for Elementary Teachers I (3)
Mat 103—Introduction to Mathematics (3)
Mat 105—College Algebra and Trigonometry (3)
Mat 107—Calculus for Business I (3)
Mat 131—Introduction to Calculus I (3)
Mat 141—Calculus I (4)
Mat 340—Analysis for Elementary Teachers (3)
Mat 351—Teaching Mathematics in Elementary Schools (3)

Physics

Sci 150—Basic Physical Science (4) Lab 1:00 to 3:00 Mon. thru Thurs.

School of Social & Behavioral Sciences

Anthropology

Ant 102—Introduction to Anthropology: Cultural (3)
Ant 200—Introduction to Archaeology (3)

Business

BAc 201—Principles of Accounting I (3)
BAd 325—Corporation Finance (3)
BMk 221—Principles of Marketing (3) NEW

Economics

Eco 201—Principles of Economics—Survey (3)
Eco 231—Principles of Economics I (3)
Eco 333—Consumer Economics (3)

Geography

Geo 101—World Geography (3)

History

His 101—History of Civilization I (3)
His 102—History of Civilization II (3)
His 211—History of United States I (3)
His 212—History of United States II (3)
His 316—History of the American Frontier (3)

Political Science

PSc 100—American Government and Politics (3)
PSc 352—Civil Liberties and Civil Rights (3)

Psychology

Psy 100—Introduction to Psychology (3)
Psy 354—Social Psychology (3)
Psy 365—Industrial Psychology (3)

Social Welfare

4:00-6:30 p.m.

SWe 352—Family Interaction and Helping Processes (3) NEW Nine-week program. EVENING: Mon. and Wed June 4 thru August 2

6:30-9:00 p.m.

SWe 320—Principles and Methods of Social Work I (3) Nine-week program. EVENING: Mon. and Wed. June 4 thru August 2

Sociology

Soc 100—Introduction to Sociology (3)
Soc 334—Juvenile Delinquency (3)

Regular Session

Monday, June 24 through Friday, August 2

Classes meet daily, Monday through Friday, unless otherwise shown.
Holidays: Thursday, Friday, July 4, 5.

See Undergraduate Studies catalogue for course descriptions. Course listing are correlated with the 1972-74 catalogue. NEW indicates a course not described in the catalogue. Offerings listed are contingent upon sufficient enrollment. Semester hours of credit are shown in parentheses following course titles.

School of Arts & Letters

Art

8:00-9:30

Art 106—Drawing I (3)
Art 111—Design I: Color and Design (3)
Art 266, 347—Crafts for Elementary Education, Weaving (Combined Craft Workshop) (3 credits for either course selected)

9:30-11:00

Art 101—Fine Arts (Art) (3)
Art 216, 316, 317—Combined Painting Workshop (3 credits for whichever course is selected)
Art 241—Graphics I: Introduction to Print-making (3)
Art 251—Art in the Elementary School I (3)

11:00-12:30

Art 105—Art Workshop (3) NEW (for non-art majors) See Workshops/ Other Special Offerings

Art 226—Water Color I (3)
Art 231, 232, 331—Combined Ceramics Workshop (3 credits for whichever course is chosen)

English

8:00-9:30

Eng 101—English Composition I (3) (Sec 01)
Eng 102—English Composition II (3) (Sec 01)
Lit 221—General Literature I (3)
Lit 222—General Literature II (3)
Lit 228—Poetry (3)
Lit 323—American Literature I (3)
Lit 338—Modern Irish Literature (3)

9:30-11:00

Eng 101—English Composition I (3) (Sec 02)
Eng 102—English Composition II (3) (Sec 02)
Eng 201—Introduction to Linguistics (3) (Also Lin 201)
Eng 316—Teaching English in Secondary Schools (3)
Lit 222—General Literature II (3)
Lit 225—Continental Literature (3)
Lit 227—Drama (3)
Lit 324—American Literature II (3)
Lit 350—Children's Literature (3)
Lit 374—Modern American Novel (3)

11:00-12:30

Eng 321—Creative Writing (3)
Eng 415—Structure of Modern English (3) NEW

Lit 226—Fiction (3)
Lit 334—Shakespeare II (3)
Lit 348—Short Story (3)
Lit 375—Modern Continental Fiction (3)

6:30-8:30

Lit 226—Fiction (3) EVENING: Mon. thru Thurs.

Foreign Languages

8:00-9:30

Fre 101—Elementary French I (3)
Fre 201—Intermediate French I (3)
Ger 101—Elementary German I (3)

9:30-11:00

Ger 201—Intermediate German I (3)
Spa 101—Elementary Spanish I (3)

11:00-12:30

Spa 201—Intermediate Spanish I (3)

Philosophy

8:00-9:30

Phi 101—Introduction to Philosophy (3) (Sec 01)

9:30-11:00

Phi 101—Introduction to Philosophy (3) (Sec 02)
Phi 487—Philosophy of Science (3)

11:00-12:30

Phi 490—Logic (3)

6:30-8:30

Phi 101—Introduction to Philosophy (3) (Sec 03) EVENING: Mon. thru Thurs.

Speech and Theatre

8:00-9:30

Sph 106—(also SpP 106) Introduction to Phonetics (3)
ThA 206—Educational Theatre Production (3)

9:30-11:00

Sph 101—Fundamentals of Speaking (2) (Sec 01)
ThA 306—Creative Dramatics (3)
ThA 307—Directing and Producing the Instructional Television Program (3)

11:00-12:30

Sph 101—Fundamentals of Speaking (2) (Sec 02)
Sph 325—Speech and Communication for Teachers (3) NEW

Speech Pathology and Audiology

8:00-9:30

SpP 106—(also Sph 106) Introduction to Phonetics (3)
SpP 304—Aural Rehabilitation (3)

9:30-11:00

SpP 201—Introduction to Speech Problems (3)

11:00-12:30

SpP 170—Speech and Language Development (3)

Time to be arranged

SpP 350—Clinical Practicum (2)

SpP 351—Advanced Clinical Practicum (2)

School of Education

EdE 411—Student Teaching (Elementary) (6) June 25 thru Aug 2. Application to be filed prior to May 1

(See "Laboratory School" in Workshops/Other Special Offerings)

8:00-9:30

EdA 241—Psychology of Exceptional Children (3) Permission of Dr Howard Freeman required
EdE 312—Reading Instruction and

Practicum (6) NEW Prerequisite: EdE 309 or an equivalent Language Arts course. 8:00 to 11:00 a.m.
EdE 332—Teaching Social Studies in the Elementary School (3)
EdE 401—Current Trends in Elementary Education (2)
EdE 441—Workshop in Elementary Education (4) 8:00 to 11:00 a.m (See Workshops/Other Special Offerings)
EdF 100—School and Society (3) (Sec 01)
EdM 470—Motion Picture Production (3) NEW
EdO 420—Organization and Administration of Outdoor Education (3)
EdP 250—Psychology of Learning and Development (3) (Sec 01)
EdS 306—Field Experience in Secondary Education (3)

9:30-11:00

EdA 243—Psychology of the Mentally Retarded (3) Permission of Dr Howard Freeman required
EdE 251—Human Development: Childhood (3)
EdE 309—Language Arts in the Elementary School (6) 9:30 to 12:30
EdE 403—Early Childhood Education I (3)
EdF 350—Introduction to Guidance and Counseling (3)
EdM 300—Audio-Visual Education (2)
EdM 460—Basic Photography (3) NEW
EdP 250—Psychology of Learning and Development (3) (Sec 02)
EdP 351—Evaluation and Measurement (2) (Sec 01)

11:00-12:30

EdE 301—Creativity in the Classroom (3)
EdE 311—Foundations of Reading (3) NEW Prerequisite: Elementary Education Department approval
EdE 404—Early Childhood Education II (3)
EdF 100—School and Society (3) (Sec 02)
EdP 250—Psychology of Learning and Development (3) (Sec 03)
EdP 351—Evaluation and Measurement (2) (Sec 02)
EdU 361—Teaching in Urban Schools (3)
EdO 415—History of Conservation (3)

School of Health & Physical Education

Health Education

8:00-9:30

HEd 370—Health for the Elementary Grades (3) (Sec 01)

8:30-11:30

HEd 470—School/Community Health Workshop (3) June 25 thru July 12 See Workshops/Other Special Offerings

9:30-10:30

HEd 170—Health (2)

9:30-11:00

HEd 171—Foundations of Health I (3)
HEd 370—Health for the Elementary Grades (3) (Sec 02)

Physical Education

8:00-9:30

PEd 356—Principles and Practices of Driver Education and Traffic Safety (3) (Sec 01)
PEd 368—Leadership in Recreation (2) NEW
PEd 454—Theories and Practices of Conditioning and Training (2) See COACHING PROGRAM under Workshops/Other Special Offerings
PEd 456—Preparation for Teaching Driver Education (3) (Sec 01)

9:30-11:00

PEd 356—Principles and Practices of Driver Education and Traffic Safety (3) (Sec 02)

PEd 453—Motor Learning (2) See COACHING PROGRAM under Workshops/Other Special Offerings
PEd 456—Preparation for Teaching Driver Education (3) (Sec 02)

9:30-12:00

PEd 357—Therapeutics (3)

11:00-12:30

PEd 452—Principles of Coaching (2) See COACHING PROGRAM under Workshops/Other Special Offerings

11:30-12:30

PEd 101—Physical Activities I (1)
PEd 102—Physical Activities II (1)
PEd 103—Elective Physical Activities III (1)
PEd 243—Preparation to Teach Elementary School Physical Education (1)

12:30-1:30

PEd 142—Tennis/Golf/Badminton (1)
PEd 201—Practice and Theory in Elementary Physical Education (1)
PEd 202—Dance Activities in the Elementary Program (1)

See also Athletic Training Education Program, Girls' Basketball Workshop, and Modern Dance Workshop under Workshops/Other Special Offerings

School of Music

8:00-9:00

Pia 002—Piano Class (1/2)

8:00-9:30

Mus 112—Theory of Music I (3)
Mus 113—Theory of Music II (3)
Mus 214—Aural Activities III (2) (8:30 to 9:30)
Mus 222—Music in Western Civilization II (3)
Mus 231—Music for the Primary Grades (3)

9:00-10:00

Pia 001—Piano Class (1/2)

9:30-11:00

Mus 212—Theory of Music III (3)
Mus 213—Theory of Music IV (3)
Mus 324—String Literature I (3)
Mus 326—Woodwind Literature I (3)
Mus 328—Brass Literature I (3)
Mus 344—Romantic Music (3)

10:00-11:00

Mus 411—Electronic Music in Music Education (2) NEW

11:00-12:00

Mus 114—Aural Activities I (2)
Mus 115—Aural Activities II (2)
Mus 215—Aural Activities IV (2)
ICo 312—Instrumental Conducting II (2)

11:00-12:30

Pia 400—Piano Class for Elementary Teachers (3)
OpW 421—Opera Workshop (3) NEW
Mus 121—Fine Arts (Music) (3)
Mus 424—Development of the Opera (3)

12:00-1:00

SyO 111-412—Orchestra (1/2)

1:00-2:00

BEn 111-412—Brass Ensemble (2)
WEn 111-412—Woodwind Ensemble (2)
CCo 212—Choral Conducting II (2)

1:00-2:30

Mus 225—Keyboard Literature II (3)

2:00-3:00

Cho 111-412—Chorus (1/2)

3:00-4:00

CMB 111-412—Band (1/2)

By appointment

Private instruction in piano, organ, voice, and instruments. (Contact School of Music for details)

School of Sciences & Mathematics

Biology

MINI-COURSES IN BIOLOGY

For details of these NEW field courses, which take place in the Robert B Gordon Natural Area for Environmental Studies on South Campus, and alongside streams and in woodlands and fields of Chester County, see Workshops/Other Special Offerings

Bio 472—The Living Forest (1) Mon thru Fri. July 29 thru Aug 2 Registration on June 24 required

Bio 475—Common Trees of Chester County (1) Mon. thru Fri July 15 thru July 19. Registration on June 24 required

Bio 476—Common Summer Flowers of Chester County (1) Mon thru Fri. July 22 thru July 26. Registration on June 24 required

Bio 477—Summer Birds of Chester County (1) (Sec 01) Mon thru Fri. July 15 thru July 19 Registration on June 24 required

Bio 477—Summer Birds of Chester County (1) (Sec 02) Mon thru Fri July 22 thru July 26 Registration on June 24 required

Bio 477—Summer Birds of Chester County (1) (Sec 03) Mon thru Fri July 29 thru Aug 2 Registration on June 24 required

8:00-9:30

Bio 100—Basic Biological Science (4) Lab 1:00 to 3:00 Tues and Thurs

9:30-11:00

Bio 309—Human Physiology (4) Lab 1:00 to 3:00 Mon and Wed

Chemistry

8:00-9:00

Che 321—Quantitative Analysis (2) (See ChL 321 for Lab)

8:00-10:00

Che 100—Chemistry and Man (4) For non-science majors

8:00-12:00

ChL 230—Basic Experimental Organic Chemistry (2) (Lab for Che 230) Tues. and Thurs.

8:30-10:30

Che 104—General Chemistry II (3) July 1 thru July 26 Registration on June 24 required. (See ChL 104 for Lab)

Che 232—Organic Chemistry II (3) July 1 thru July 26. Registration on June 24 required. (See ChL 237 for Lab)

8:30-11:00

Che 101—Chemistry for Nurses (4) A one-semester course for hospital nurses only. Not for B.S in Nursing program

8:30-11:30

Che 345—Fundamentals of Physical Chemistry (3) Not for chemistry majors. (See ChL 345 for Lab)

9:30-11:00

ESS 311—Geochemistry (3)

9:30-1:00

ChL 321—Quantitative Analysis (3) (Lab for Che 321) Mon. thru Thurs

11:30-3:30

ChL 104—Experimental General Chemistry (2) (Sec 01) (Lab for Che 104) Mon thru Thurs July 1 thru July 26 Registration on June 24 required

ChL 104—Experimental General Chemistry (2) (Sec 02) (See Sec 01 above)

11:30-4:30

ChL 345—Basic Experimental Physical Chemistry (2) (Lab for Che 345) Tues. and Thurs.

12:00-1:30

Che 230—Introduction to Organic Chemistry (3) (See ChL 230 for Lab)

12:00-4:00

ChL 237—Experimental Organic Chemistry I (2) Lab for Che 232) Mon thru Thurs. July 1 thru July 26. Registration on June 24 required

Earth and Space Science

8:00-9:30

ESS 201—Physical Geology (4) Lab 1:00 to 3:00 Mon. and Wed.
ESS 111—General Astronomy (4) Lab 1:00 to 3:00 Tues. and Thurs.

9:30-11:00

ESS 101—Earth Science (4) Lab 1:00 to 3:00 Tues and Thurs.
ScE 310—Science Education in the Elementary School (3) (Sec 01)
ESS 311—Geochemistry (3)

11:00-12:30

ScE 310—Science Education in the Elementary School (3) (Sec 02)
Ess 211—Historical Geology (3)

Mathematics

8:00-9:30

Mat 101—Mathematics for the Elementary Teacher I (3)
Mat 103—Introduction to Mathematics (3)
Mat 411—Algebra I (3)
Mat 421—Mathematical Statistics I (3)

9:30-11:00

Mat 108—Calculus for Business II (3)
Mat 132—Introduction to Calculus II (3)
Mat 142—Calculus II (4) (3 additional class hours per week to be arranged)
Mat 351—Teaching Mathematics in Elementary Schools (3)
Mat 441—Advanced Calculus I (3)
CSc 101—Introduction to Computer Science (3)

11:00-12:30

Mat 107—Calculus for Business I (3)
Mat 110-111—Foundations of Mathematics I-II (2) (2) (3 additional class hours per week to be arranged)
Mat 121—Statistics (3) For non-mathematics majors
Mat 331—Geometry for Elementary Teachers (3)

Nursing

Time to be arranged

Nsg 482—The Nurse's Role in Care of Developmentally Disabled (2) See Workshops/Other Special Offerings. (For details, communicate with Mrs. Doris R. Schoel, Chairman, Department of Nursing)

Physics

8:30-12:30

Phy 103—General Physics I (4) June 25 thru July 19
Phy 104—General Physics II (4) July 22 thru August 16 Registration on June 24 required

9:00-11:00

Sci 150—Basic Physical Science (4)

School of Social & Behavioral Sciences

1:00-4:30

SSc 380—Ethnic Cultures Institute (3) June 25-July 12. See Workshops/Other Special Offerings

Business

(Evening Classes)

7:00-9:40 p.m.

BAc 201—Principles of Accounting I (3) Meets M-W-F first week; T-Th second week; alternately thereafter

BAc 202—Principles of Accounting II (3) Meets T-Th first week; M-W-F second week; alternately thereafter

Bac 403—Federal Taxation (3) See BAc 201 for meeting nights

BAd 201—Business Organization and Management (3) See BAc 201 for meeting nights

BAd 302—Personnel Management (3) See BAc 202 for meeting nights

BAd 322—Advertising and Sales Promotion (3) See BAc 201 for meeting nights

BMk 327—Marketing Management (3) NEW See BAc 202 for meeting nights

Economics

8:00-9:30

Eco 232—Principles of Economics II (3)

Eco 351—Quantitative Business Statistics I (3)

9:30-11:00

Eco 201—Principles of Economics—Survey (3)

Eco 335—Money, Banking, and Fiscal Policy (3)

Geography

8:00-9:30

Geo 416—Seminar in Special Studies in Military Geography (3)

9:30-11:00

Geo 210—Geographic Influences in American History (3)

11:00-12:30

Geo 101—World Geography (3)

History

8:00-9:30

His 101—History of Civilization I (3) (Sec 01)

His 102—History of Civilization II (3) (Sec 01)

His 212—History of United States II (3)

His 320—History of the South (3)

9:30-11:00

His 102—History of Civilization II (3) (Sec 02)

His 211—History of United States I (3) (Sec 01)

His 366—Modern Western Cultural History (3) NEW

11:00-12:30

His 101—History of Civilization I (3) (Sec 02)

His 211—History of United States I (3) (Sec 02)

His 323—History of the Middle East (3)

ASIAN STUDIES PROGRAM

11:00-1:30

His 322—History of South Asia (3) Three-week session on campus: June 25 thru July 12. Permission of instructor (Dr Robert J Young) required This course, or equivalent preparation, is prerequisite to field trip following

His 460—Field Study in History (3) NEW Field trip to India: July 13 thru Aug 2. Permission of instructor required For details communicate with Dr. Robert J Young, Department of History, as early as possible.
See Workshops/Other Special Offerings

Political Science

8:00-9:30

PSc 100—American Government and Politics (3) (Sec 01)

9:30-11:00

PSc 100—American Government and Politics (3) (Sec 02)
PSc 351—The Politics of the Non-Western Areas (3)

11:00-12:30

PSc 100—American Government and Politics (3) (Sec 02)
PSc 449—Politics of Bureaucracy and Administrative Behavior (3) NEW
EVENING
PSc 100—American Government and Politics (3) (Sec 04) Mon thru Wed 7:00 to 9:00 p m Thurs 7:00 to 8:30 p m

Psychology

8:00-9:30

Psy 245—Research Methods and Statistics I (3)
Psy 375—Abnormal Psychology (3)

9:30-11:00

Psy 100—Introduction to Psychology (3)

11:00-12:30

Psy 352—Child and Adolescent Psychology (3)
Psy 364—Physiological Psychology (3)

Social Welfare

11:00-12:30

SWe 200—Introduction to Social Work (3)

Sociology

8:00-9:30

Soc 100—Introduction to Sociology (3) (Sec 01)
Soc 332—Contemporary Social Problems (3)

9:30-11:00

Soc 100—Introduction to Sociology (3) (Sec 02)
Soc 338—Criminology (3)

11:00-12:30

Soc 335—Racial and Cultural Minorities (3)

Post Session

Monday, August 5 through Friday, August 23

Each class meets 8:00—9:30 a.m. and 10:30—12 Noon, Monday thru Friday, unless otherwise shown.

See Undergraduate Studies catalogue for course descriptions. Course listings are correlated with the 1972-74 catalogue. NEW indicates a course not described in the catalogue. Offerings listed are contingent upon sufficient enrollment. Semester hours of credit are shown in parentheses following course titles.

School of Arts & Letters

English

Eng 101—English Composition I (3)
Eng 102—English Composition II (3)
Lit 221—General Literature I (3)
Lit 222—General Literature II (3)
Lit 224—Great American Writers (3)
Lit 226—Fiction (3)
Lit 350—Children's Literature (3)

Foreign Languages

Fre 102—Elementary French II (3)
Fre 202—Intermediate French II (3)
Ger 102—Elementary German II (3)
Ger 202—Intermediate German II (3)
Spa 102—Elementary Spanish II (3)
Spa 202—Intermediate Spanish II (3)

Philosophy

Phi 101—Introduction to Philosophy (3)

Speech and Theatre

Sph 101—Fundamentals of Speaking (2) 9:00 to 11:00 a m

School of Education

EdA 344—Problems in Special Education (2) Permission of Dr Howard Freeman required
EdE 310—Communication Skills in Elementary Education (3) NEW. Prerequisite: Departmental approval
EdM 300—Audio-Visual Education (2)
EdO 405—Conservation Education (3)
EdP 250—Psychology of Learning and Development (3)
EdP 351—Evaluation and Measurement (2)

School of Health & Physical Education

Health Education

HEd 170—Health (2)

9:00 to 11:00 a.m

Physical Education

PEd 352—Applied Physiology (3) See COACHING PROGRAM under Workshops/Other Special Offerings
PEd 355—Education for Safe Living (3)
PEd 450—Methods and Materials of Safety Education (3)

School of Music

Mus 121—Fine Arts (Music) (3)
Mus 231—Music for the Primary Grades (3)
ICo 312—Instructional Conducting I (2)
Mus 414—Musical Acoustics (3)

School of Sciences & Mathematics

Biology

Bio 100—Basic Biological Science (4) 8:00 to 12:30 including Lab

Earth and Space Science

ESS 490—Fundamentals of Soils (3) NEW

Mathematics

Mat 101—Mathematics for Elementary Teachers I (3)
Mat 102—Mathematics for Elementary Teachers II (3)
Mat 103—Introduction to Mathematics (3)
Mat 105—College Algebra and Trigonometry (3)
Mat 108—Calculus for Business II (3)
Mat 311—Algebra for Elementary Teachers (3)

School of Social & Behavioral Sciences

Anthropology

Ant 102—Introduction to Anthropology: Cultural (3)

Business

BAc 202—Principles of Accounting II (3)

Economics

Eco 201—Principles of Economics—Survey (3)

Geography

Geo 101—World Geography (3)

History

His 101—History of Civilization I (3)
His 102—History of Civilization II (3)
His 211—History of United States I (3)
His 212—History of United States II (3)
His 365—Modern Western Intellectual History (1250-1800) (3) NEW

Political Science

PSc 100—American Government and Politics (3)
PSc 334—American Political Parties (3)

Psychology

Psy 100—Introduction to Psychology (3)
Psy 352—Child and Adolescent Psychology (3)

Sociology

Soc 100—Introduction to Sociology (3)
Soc 333—The Family (3)

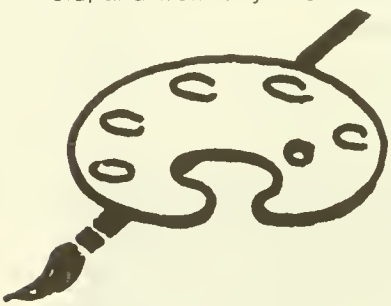
SUMMER WORKSHOPS/OTHER SPECIAL OFFERINGS

For all communications mentioned below show name, title, and:
West Chester State College
West Chester, Pa., 19380

School of Arts and Letters

Art Workshop (Art 105)
(for Non-Majors)

When you sit down to the easel do they all begin to laugh? Maybe the answer for you is this pleasant workshop designed for anyone—young, old, and from any vocation—with an urge to draw or paint. (Remember Gr. Moses and Rousseau, the streetcar conductor.) Techniques in painting, drawing, design, and printmaking are explored. An open-house and exhibition wind up the workshop quite grandly. Regular Session, 11:00-12:30. (3 credits)



School of Education

Workshop in Elementary Education (EdE 441)

A study of newer practices in elementary education, open to experienced teachers and college graduates. With an experienced coordinator leading discussions, the group shares current problems. Master teachers and facilities of the Laboratory School are utilized for demonstration and observance. Students in this long-popular workshop may elect an additional 3-credit course. Regular Session, 8:00-11:00 a.m. (4 credits)

Laboratory School
Regular Session
The College's Laboratory School is open during Regular Session for the demonstration of teaching at the elementary level. Experience in elementary student teaching (EdE 411) is available for a limited number of students. File applications with the Office of Student Teaching early in the spring. The registration procedure for this course (EdE 411) is the same as for other Regular Session courses. Approval of the Office of Student Teaching is required prior to Regular Session registration.

Athletic Training Education Program

June 17 thru August 16

A block of courses which partially fulfills the National Athletic Trainer's Association's approved program for preparation toward National Certification. The total program is a 15-hour block, with prerequisites. The School is offering nine of these hours, which run contiguously and must be taken as a block from 8:00-11:30 and 1:00-2:00, Monday thru Friday.

PEd 357—Therapeutics (3 credits)
PEd 358—Advanced Athletic Training I (3 credits)
PEd 359—Advanced Athletic Training II (3 credits)

If interested, contact Mr. Phillip B. Donley, Associate Professor, School of Health and Physical Education. He must have applications before May 1.

Girls' Basketball Workshop

June 3 thru June 7

West Chester's handsome new Health and Physical Education Center is the locale for this intensive, five-day "work-out" for feminine hoopsters of high-school, college, and coaching ages. Morning and afternoon classes, Monday thru Friday, presented by Miss Kitty Caldwell, Girls' Basketball Coach. For details and applications write to Miss Kitty Caldwell, School of Health and Physical Education. (No credit)

Coaching Program

Pre, Regular, and Post Sessions

A pilot program for coaches and prospective coaches who are not from the field of health and physical education. Open to undergraduates and graduates from all study fields. Although the Commonwealth has no certification program in coaching, those who successfully complete this series

earn a transcript and written endorsement from the School of Health and Physical Education, attesting to school administrators that the recipients have attained basic specialized academic preparation for coaching. The program, which the School considers a model for a needed broadening of coaching standards, may be either partly or fully completed in one summer. West Chester physical education majors may take any of these courses toward their graduation requirements.

Pre Session (Evening)

Organization and Administration of Physical Education and Athletics (PEd 353) (3 credits)

Theories and Practices of Conditioning and Training (PEd 454) (2 credits)

Regular Session (Day)

Principles of Coaching (PEd 452) (2 credits)

Motor Learning (PEd 453) (2 credits)

Post Session (Day)

Applied Physiology (PEd 352) (3 credits)

See schedule of each session for hours and dates.

Workshop in Modern Dance

June 17 thru June 28

For serious dance students of high school and college age. Morning and afternoon classes, Monday thru Friday, in modern dance techniques, presented by Lida Nelson Smith and a guest teacher. For brochure and applications, write to Mrs. Lida Nelson Smith, Dance Workshop Director, School of Health and Physical Education. (No credit)

School/Community Health Workshop (HEd 470)

June 25 thru July 12)

A workshop for rural teachers, school nurses, health education specialists, and others in health work. No additional courses may be carried during this three-week session. For information contact Mr. Walter E. Funk, Chairman, Department of Health Education, School of Health and Physical Education. (3 credits)

School of Music

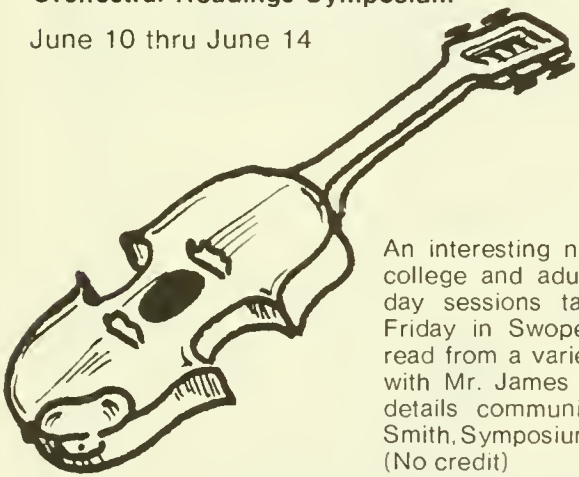
Thirteenth Annual High School Music Workshop

June 30 thru July 25

A summer music workshop for serious musicians of high school age, sponsored by the School of Music. Offerings include: band, orchestra, chorus, individual lessons, music theory, music appreciation, conducting, improvisation seminar, related arts seminar, ensembles, and dance band. Also: master classes in repertoire and literature for students of voice and piano. Concerts, recitals, and special clinics, open to the public, are highlights. For brochure and application forms write to Dr. Frederick C. Pflieger, High School Music Workshop Director, School of Music. (No credit)

Orchestral Readings Symposium

June 10 thru June 14



An interesting new concept, designed for college and adult-level performers. In all-day sessions taking place Monday thru Friday in Swope Hall, the orchestra will read from a variety of orchestral literature, with Mr. James E. Smith conducting. For details communicate with Mr. James E. Smith, Symposium Director, School of Music. (No credit)

Marching Band Conference and Workshop

August 5 thru August 9

Designed primarily for high school and college directors and students, this conference is sponsored by the West Chester State College Marching Band and the School of Music. Offerings include flag, rifle, and twirling instruction for both intermediate and advanced sections. Clinics in intermediate and advanced percussion; separate workshops for students and directors. Outstanding authorities participate. For information about this fifth annual band event, contact Mr. James R. Wells, Marching Band Director, School of Music. (No credit)

School of Sciences and Mathematics

The Nurse's Role in Care of Developmentally Disabled (Nsg 482)

Dates to be announced

Assists professional nurses from public health agencies, school systems, and other community institutions to define their role and update their knowledge and skills in the application of physical, psychological, vocational, and social rehabilitation to the mentally retarded and to epileptic and cerebral palsied persons. For information about this workshop and others for nurses which may become available, communicate with Mrs. Doris Schoel, Chairman, Department of Nursing. (2 credits)

Marine Science Consortium

Summer 1974

As a participant in the Delaware Bay Marine Science Consortium, West Chester offers courses in oceanography and marine sciences at the Consortium field stations in Delaware and Virginia during five summer sessions. Course offerings and dates of sessions will be announced soon after March 1. For details, contact Mr. John E. Ehleiter, Associate Professor, Department of Earth, Space, and General Sciences.

Mini-Courses in Biology

Last three weeks of Regular Session

Curiosity is really the only prerequisite for this new series of five-day, outdoor courses in ornithology, botany, and natural history. For instance, haven't you always wanted to know more about the birds that dart through your own trees? Your trees themselves? Or the wildflowers you spot along the streams and "back roads" of Southeastern Pennsylvania? Chester County, with its miles of rolling fields and woods, provides ideal settings for nature study. One course (The Living Forest) will hold most of its classes in the recently dedicated Robert B. Gordon Natural Area for Environmental Studies, part of West Chester's new South Campus. The mini-courses are made to order for gardeners, bird lovers, hiking buffs, campers, among others. Elementary education teachers will find them excellent patterns for teaching nature studies. Daily field trips and some classroom lectures. See School of Sciences and Mathematics in the Regular Session schedule for course titles and dates. Students may take up to three courses in sequence. Registration on June 24 required. (1 credit per course)

School of Social and Behavioral Sciences

Ethnic Cultures Institute (SSc 380)

June 25 thru July 12

Jointly sponsored by the Schools of Arts and Letters and Social and Behavioral Sciences, the Institute considers the contributions of ethnic groups to the U.S. culture. Designed primarily for teachers, community action personnel, and students who wish to increase their skill for developing meaningful intergroup relationships and improving classroom instruction. Experienced educators and community leaders take part. Hours: 1:00 to 4:30 p.m., Monday thru Friday. For details communicate with Dr. Jody M. Harris, Director of Curriculum Enrichment. (3 credits)

Asian Studies Program (His 322 and His 460)

June 25 thru July 12—Lectures on Campus
July 13 thru August 2—Field Trip to India

You have probably never ridden to a history class on an elephant. Students in His 460 this summer will—in Jaipur on July 17. Up-hill to Amber Fort, back down to the Rajastan State Hotel for lecture/discussion on The Rajput Culture.

This is a bare sampling of the remarkable itinerary which will take the class walking, busing, and mainly flying across the whole of India, north to south. With "emphasis on" the historic traditions of both Hindu and Muslim society in North India, the class will study the land's religious, cultural, and historic traditions. Main stops will be in Delhi, Banares, and Hyderabad, with side-trips fanning into remote rural regions. Listen to a few other

random items from the tour brochure: Agra by road; Mughal architecture; Mathura; the Blue Moon and Imperial Hotels; burning ghats, bazaars, temples; Char Minar; Sarnath, the birthplace of Buddism; Krishna worship; Jagirdar College; Sikh, Gurdware, Mecca, Masjid. (Tempting, isn't it.) Projected cost of West Chester's longest "flying field trip" yet is $1,050. Permission of the instructor (who has studied and taught in India for three years) required. For brochure and details write to him as early as possible: Dr. Robert J. Young, Department of History. (3 credits for each course)

CAMPUS MAP

SHARPLESS STREET
RAMSEY HALL
TYSON HALL
GOSHEN HALL
MC CANTHY HALL
MITCHELL HALL
REYNOLDS HALL
PARKING "B"
EAST NIELDS ST.
WATER TOWER
ELECTRIC SUBSTATION
BOILER PLANT
PARKING "C"
MAINT. BLDG.
MAINT. GARAGE
LAUNDRY
LAWRENCE CNTR
"D" PARKING
SWOPE HALL
COLLEGE AVENUE
EHINGER GYM
ADMINISTRATION BLDG
PHILIPS MEMORIAL
"O" PARKING
LINDEN ST.
HOLLINGER FIELD HOUSE
SPECIAL EDU BLDG
ANDERSON HALL
MAIN HALL
Athletic Field
SANDERSON HALL
Athletic Field
SCHMUCKER SCIENCE CNTR
RECITATION HALL
SOUTH NEW STREET
SCHMIDT HALL
WAYNE HALL
OLD LIBRARY
SOUTH CHURCH ST
SOUTH HIGH STREET
SOUTH WALNUT STREET
KILLINGER HALL
PARKING "H"
FRANCIS HARVEY GREEN LIBRARY
EAST ROSEDALE AVE
TO SOUTH CAMPUS
Tennis Courts
PARKING "AF"
ROSLYN AVE.
STUDENT UNION
PARKING "K"
CHURCH STREET
NORFOLK AVENUE
LEARNING RESEARCH CENTER
PRESIDENT'S RESIDENCE

West Chester State College Catalogue
WEST CHESTER, PENNSYLVANIA 19380

UNDERGRADUATE SUMMER SESSIONS 1974

Non-Profit Organization
U.S. POSTAGE PAID
West Chester, Pa. 19380
Permit No. 309

THIRD CLASS

West Chester State College
West Chester, Pennsylvania 19380